

# Freeway



**Ausgabe Technik**  
**Englisch für berufliche Schulen**  
Lösungsheft zum Workbook

## Vocabulary Revision

Seite 4

### 1

- |                  |              |
|------------------|--------------|
| 1. grandchildren | 6. wife      |
| 2. women         | 7. gentleman |
| 3. son           | 8. female    |
| 4. child         | 9. aunt      |
| 5. dad           | 10. life     |

### 2

1. d); 2. g); 3. j); 4. i); 5. f); 6. b); 7. c); 8. e); 9. h);  
10. a)

### 3

Across:

- employee
- applicant
- career
- application
- producer
- earn
- economy

Down:

- competition
- factory
- department
- company
- advertise
- tool
- buyer
- job

### 4

- |                                     |                             |
|-------------------------------------|-----------------------------|
| 1. roof                             | 10. chair                   |
| 2. balcony                          | 11. bed                     |
| 3. bathroom                         | 12. desk                    |
| 4. bedroom                          | 13. wardrobe BE / closet AE |
| 5. kitchen                          | 14. toilet                  |
| 6. living room                      | 15. shower                  |
| 7. table                            | 16. shelf                   |
| 8. cooker BE / stove AE             | 17. clock                   |
| 9. cupboard BE / kitchen cabinet AE | 18. sofa / couch            |

### 5

- |                           |                          |
|---------------------------|--------------------------|
| 1. bicycle – Fahrrad      | 11. driver – Fahrer / in |
| 2. airport – Flughafen    | 12. flight – Flug        |
| 3. passenger – Fahrgast   | 13. engine – Motor       |
| 4. accident – Unfall      | 14. petrol – Benzin      |
| 5. railway – Eisenbahn    | 15. ticket – Fahrschein  |
| 6. platform – Bahnsteig   | 16. arrival – Ankunft    |
| 7. baggage – Gepäck       | 17. suitcase – Koffer    |
| 8. cargo – Fracht, Ladung | 18. customs – Zoll       |
| 9. vehicle – Fahrzeug     | 19. journey – Reise      |
| 10. wheel – Rad           | 20. lorry – LKW          |

### 6

- |                  |                 |
|------------------|-----------------|
| 1. glasses       | 10. shoulder    |
| 2. nose          | 11. hair        |
| 3. tooth / teeth | 12. knee        |
| 4. beard         | 13. leg         |
| 5. eye           | 14. dress       |
| 6. ear           | 15. foot / sock |
| 7. lip           | 16. shoe        |
| 8. button        | 17. suit        |
| 9. shirt         | 18. umbrella    |

### 7

1. f); 2. a); 3. g); 4. b); 5. i); 6. e); 7. j); 8. c); 9. h);  
10. d); 11. l); 12. k)

### 8

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| 1. lunch – Mittagessen              | 16. vegetable – Gemüse              |
| 2. marmalade – (Orangen-) Marmelade | 17. wine – Wein                     |
| 3. meat – Fleisch                   | 18. apple – Apfel                   |
| 4. milk – Milch                     | 19. bottle – Flasche                |
| 5. potato – Kartoffel               | 20. bread – Brot                    |
| 6. sugar – Zucker                   | 21. breakfast – Frühstück           |
| 7. supper – Abendessen              | 22. cake – Kuchen                   |
| 8. dinner – (Mittag-, Abend-) Essen | 23. chocolate – Schokolade, Praline |
| 9. tea – Tee                        | 24. cheese – Käse                   |
| 10. tomato – Tomate                 | 25. chips – Pommes frites           |
| 11. coffee – Kaffee                 | 26. spoon – Löffel                  |
| 12. cup – Tasse                     | 27. knife – Messer                  |
| 13. plate – Teller                  | 28. ice cream – Eiscreme            |
| 14. egg – Ei                        | 29. sweet – süß                     |
| 15. fork – Gabel                    | 30. hungry – hungrig                |

### 9

- |                |                |
|----------------|----------------|
| 1. interesting | 11. unfriendly |
| 2. boring      | 12. bored      |
| 3. different   | 13. certain    |
| 4. tired       | 14. surprised  |
| 5. angry       | 15. careful    |
| 6. friendly    | 16. careless   |
| 7. active      | 17. difficult  |
| 8. beautiful   | 18. unhappy    |
| 9. dirty       | 19. clever     |
| 10. hungry     | 20. important  |

### 10

- |          |              |
|----------|--------------|
| 1. for   | 7. from      |
| 2. for   | 8. after     |
| 3. about | 9. down      |
| 4. to    | 10. over, on |
| 5. with  | 11. up       |
| 6. on    | 12. off, on  |

### 11

- |              |                       |
|--------------|-----------------------|
| 1. energy    | 7. darkness           |
| 2. plant     | 8. atmosphere         |
| 3. river     | 9. sea                |
| 4. distance  | 10. sunshine          |
| 5. tree      | 11. weather           |
| 6. pollution | Solution: environment |

## Grammar Revision

Seite 10

### 1 a)

- |                   |                 |
|-------------------|-----------------|
| 3. an address     | 6. a university |
| 4. a college      | 7. an hour      |
| 5. an examination | 8. an office    |

1 b)

My English friend Derek goes to (1) – college. When I visited him he showed me (2) the college buildings. Next year he will attend (3) – university. Maybe he can study at (4) the University of Exeter. In my next holidays I will go to (5) – Great Britain. I will be in (6) – London and will see (7) the Thames and (8) Buckingham Palace. I would like to fly to (9) – London Gatwick Airport. I hope that my friend will meet me at (10) the airport.

2 a)

- 2. university
- 3. addresses
- 4. woman
- 5. cities
- 6. children
- 7. life
- 8. feet
- 9. tooth
- 10. yourself
- 11. copies
- 12. wives

2 b)

Singular: information, weather, homework, furniture, knowledge, news, work, nature, mathematics, advice, economics, hair. Plural: jeans, glasses, trousers, clothes.

3

Customer: I'd like (1) some red apples, please.  
 Salesperson: Here you are. Is there (2) anything else I can do for you?  
 Customer: Yes, I can't see (3) any strawberries here. Have you got (4) any (some)?  
 Salesperson: Of course. We've got (5) some very sweet ones over here. Would you like (6) some?  
 Customer: Oh yes. I love strawberries. And I mustn't forget to get (7) some bananas.  
 Salesperson: That's five pounds then.  
 Customer: Oh dear! I haven't got (8) any small change. Can you change a twenty-pound note?  
 Salesperson: No problem. That's fine.

4

During the winter only (1) a few people stay at seaside hotels in southern England. There is not (2) much (a lot) to do and so (3) a lot of (many) people stay at home. If they have saved (4) a little money, young people book cheap flights to Majorca and spend (5) a few days there. It's just about a thousand miles away. After (6) a few hours they land in Majorca, where (7) many of them enjoy parties and have (8) a lot of fun.

5

When Melinda landed (1) at London Gatwick Airport (2) on a Saturday (3) in June she arrived just (4) in time for the Wimbledon tennis championships. She is very interested (5) in sports and so she tried to get some tickets. First she went to the city centre (6) by train and then she went (7) to a ticket office (8) on foot. When she arrived (9) at five minutes (10) past six, she found that the office had just closed (11) at six o'clock. So she went to her hostel (12) by bus. (13) At the hostel she booked tickets (14) on the Internet there. Later on (15) in the evening she went (16) to the cinema and watched the latest Leonardo di Caprio film. She came back to her hostel (17) at midnight and slept (18) until 9 o'clock (19) in the morning.

6 a)

	-er	-est
small	smaller	smallest
easy	easier	easiest
big	bigger	biggest
cheap	cheaper	cheapest
nice	nicer	nicest
heavy	heavier	heaviest
tall	taller	tallest
hungry	hungrier	hungriest
happy	happier	happiest
hot	hotter	hottest
large	larger	largest
healthy	healthier	healthiest

	more	most
beautiful	more beautiful	most beautiful
difficult	more difficult	most difficult
attractive	more attractive	most attractive
elegant	more elegant	most elegant
intelligent	more intelligent	most intelligent
interesting	more interesting	most interesting

	irregular (unregelmäßig)	irregular (unregelmäßig)
good	better	best
bad	worse	worst
much	more	most
little	less	least

6 b)

- Mobile phone 3 is more expensive than phone 2.
  - Mobile phone 1 is not as expensive as phone 2.
  - Mobile phone 3 is the most expensive phone.
  - Shanghai Tower is taller than the Empire State Building.
  - Shanghai Tower is not as tall as Burj Khalifa.
  - Burj Khalifa is the tallest (building).
- (Auch andere Sätze möglich.)

7 a)

- You are from Boston, aren't you?
- You live in Liverpool, don't you?
- Your friend Tracy isn't from Boston, is she?
- Tracy is from England, isn't she?
- Tracy and Sharon are staying in Paris at the moment, aren't they?
- They love France, don't they?
- They have been to France several times, haven't they?
- But they haven't seen the Port of Marseille yet, have they?
- They will come back next week, won't they?
- You will meet them at the airport, won't you?

7 b)

- Many people are worried about our nature, aren't they?
- They do not believe in a positive development, do they?

3. The earth is getting warmer, isn't it?
4. We are consuming too much water, aren't we?
5. We haven't paid enough attention to our environment, have we?
6. Last year, people bought more cars than in the years before, didn't they?
7. We can all do something, can't we?
8. You will come to our meeting tomorrow, won't you?

## 8

- |               |                     |
|---------------|---------------------|
| 3. parents'   | 6. Prime Minister's |
| 4. Smiths'    | 7. people's         |
| 5. children's | 8. yesterday's      |

## 9

2. Some people are walking quickly to the bus stop.
3. (At the moment) The cars are waiting at the red lights (at the moment).
4. Some shoppers are crossing the street in a hurry.
5. They have already bought lots of presents in the department stores.
6. (On Christmas Day) They want to give these presents to their children (on Christmas Day).

## Unit 1

Seite 16

### 1

- |                   |               |
|-------------------|---------------|
| 1. work placement | 6. outskirts  |
| 2. insight        | 7. department |
| 3. abroad         | 8. laboratory |
| 4. colleague      | 9. equipment  |
| 5. factory        | 10. routine   |

### 2

- |          |           |
|----------|-----------|
| 1. is    | 6. drives |
| 2. comes | 7. has    |
| 3. has   | 8. chats  |
| 4. live  | 9. plays  |
| 5. works | 10. loves |

### 3

4. Do you eat lunch at college? – Yes, I do.
5. Do you prefer IT to English? – No, I don't.
6. Do you start college at half past nine? – No, I don't.
7. Do you go home by bus? – Yes, I do.
8. Do you take tests in every subject? – Yes, I do.
9. Do you have exams? – Yes, I/we have.
10. Are you nervous before exams? – Yes, I am.

### 4

3. Is Marco sleeping? No, Marco is not sleeping, he is working on his laptop.
4. Are Lisa and Sam talking? No, Lisa and Sam are not talking, they are kissing (each other).
5. Is Sarah working? No, Sarah is not working, she is sleeping.
6. Is Sabrina watching TV? No, Sabrina is not watching TV, she is reading in the library.
7. Is Julio singing? No, Julio is not singing, he is playing the guitar.
8. Are the girls playing volleyball? No, the girls are not playing volleyball, they are playing football (soccer).

### 5 a)

**present simple:** normally, every weekend, every Monday, on Sundays, usually, regularly

**present continuous:** now, this afternoon, today, at the moment, right now

### 5 b)

- |                  |                  |
|------------------|------------------|
| 3. is staying    | 9. trains        |
| 4. goes          | 10. meet         |
| 5. is using      | 11. practise     |
| 6. Does she want | 12. are standing |
| 7. does not like | 13. are waiting  |
| 8. is taking     |                  |

### 6 a)

1. I go to college.
2. I like (English, maths, ...) but I don't like ...
3. In the afternoon/ In the evening/ At the weekends I work (part-time) at ...
4. At the moment I'm preparing for college, relaxing, ...

### 6 b)

1. Where are you from?
2. How long are you staying?
3. How do you like it here in ...?
4. Do you speak German?

### 7

- |                  |               |
|------------------|---------------|
| 1. decision      | 6. share      |
| 2. communication | 7. to live    |
| 3. to place      | 8. to trouble |
| 4. to check out  | 9. guess      |
| 5. improvement   | 10. sound     |

### 8

- |                           |                          |
|---------------------------|--------------------------|
| 1. increasing             | 7. luckily / fortunately |
| 2. to go abroad           | 8. well                  |
| 3. to share               | 9. different             |
| 4. better                 | 10. foreign              |
| 5. interesting / exciting | 11. to improve           |
| 6. unpacking              | 12. alone                |

### 9 a)

- |                 |                       |
|-----------------|-----------------------|
| 2. are standing | 10. are wearing       |
| 3. foreground   | 11. seems             |
| 4. right        | 12. wants             |
| 5. is holding   | 13. background        |
| 6. centre       | 14. is preparing      |
| 7. is using     | 15. are concentrating |
| 8. left         | 16. are training      |
| 9. is leaning   | 17. are trying        |

### 9 b)

The colour photo shows a group of six young people standing in the middle of the countryside. We can see three young women and three young men. They seem to be hiking because they are carrying backpacks and hiking sticks. The young woman in a green sweater who is standing in the centre of the group is holding a map in her hands. The young woman in the foreground who is wearing sunglasses is pointing to the right.

Maybe they are wondering in which direction they should go and she is showing them the way.

The sun is shining and it seems to be quite warm because some of the hikers have taken off their sweaters. They look as if they are enjoying their walking tour.

**10**

Across:

2. wooden
3. repair
6. carpenter
7. program
10. metalworker
11. background
12. technical
13. bricklayer
14. electrical

Down:

1. coversalls
4. foreground
5. maintain
8. install
9. electrician

**11**

2. food
3. accommodation
4. farms
5. length
6. several
7. negotiated
8. check

9. expected
10. physical
11. safety
12. feedback
13. database
14. £50

**Unit 2**

Seite 22

**1**

- |                        |                          |
|------------------------|--------------------------|
| 1. to found, line 12   | 6. products, line 15, 23 |
| 2. to launch, line 14  | 7. meanwhile, line 27    |
| 3. immensely, line 16  | 8. to acquire, line 27   |
| 4. well-known, line 18 | 9. to focus, line 36     |
| 5. to grow, line 19    |                          |

**2**

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| 1. Chile, Bolivia, Argentina, Brazil  | 3. Lebanon, Iran, Iraq, Saudi Arabia |
| 2. Namibia, Cameroon, Nigeria, Angola | 4. Korea, Japan, Vietnam, Indonesia  |

**3 a)**

- |             |                |
|-------------|----------------|
| 1. changed  | 8. sent        |
| 2. handed   | 9. owned       |
| 3. were     | 10. was not    |
| 4. were not | 11. printed    |
| 5. had      | 12. published  |
| 6. paid     | 13. bought     |
| 7. rose     | 14. introduced |

**3 b)**

2. When did John Walter change the title?
3. Why were the profits of *The Times* so large at that time?
4. How did John Walter pay his writers?
5. Who did the newspaper send to write about conflicts?
6. What did the newspaper not print on its front page until 1966?
7. What did Rupert Murdoch introduce?

**4 a)/b)**

4. live / in Liverpool / from 1992 to 1996 (simple past)  
He lived in Liverpool from 1992 to 1996.
5. family / move / to Birmingham / in 1996 (simple past)  
His family moved to Birmingham in 1996.
6. live / in Birmingham / since then (present perfect simple)  
He has (they have) lived in Birmingham since then.
7. join / a computer club / four years ago (simple past)  
Greg joined a computer club four years ago.
8. pass / exams / in 2008 (simple past)  
He passed his exams in 2008.
9. find / a good job training programme / after his exams (simple past)  
He found a good job training programme after his exams.
10. be / with that company / for a few years now (present perfect simple)  
He has been with that company for a few years now.

**5**

1. Sally has been ill since the beginning of October.
2. It hasn't rained in Cornwall since the end of July.
3. He has been in China for five days.
4. She hasn't had a big party for a year.
5. Nick has been watching TV since half past six.

**6**

- |                  |                           |
|------------------|---------------------------|
| 1. was born      | 11. spent                 |
| 2. lived         | 12. taught                |
| 3. moved         | 13. have made             |
| 4. found         | 14. Have you already done |
| 5. Did you go    | 15. have not done         |
| 6. did           | 16. have taken            |
| 7. attended      | 17. helped                |
| 8. have been     | 18. enjoyed               |
| 9. did you start | 19. have applied          |
| 10. began        |                           |

**7**

1. I have already heard a lot about your company.
2. Before I applied I found out about the company on the Internet.
3. I moved here only a year ago.
4. I have already done a placement.
5. I have always wanted to work for / at a big international company.

**8**

1. h); 2. d); 3. f); 4. g); 5. c); 6. e); 7. a); 8. b)

**9**

- |                            |                           |
|----------------------------|---------------------------|
| 1. b) personnel manager    | 5. f) product designer    |
| 2. e) motor mechanic       | 6. h) bricklayer          |
| 3. a) computer technician  | 7. c) mechanical engineer |
| 4. g) laboratory assistant | 8. d) hairdresser         |

**10**

- |                |               |
|----------------|---------------|
| 1. interested  | 4. excited    |
| 2. motivated   | 5. motivating |
| 3. interesting | 6. exciting   |

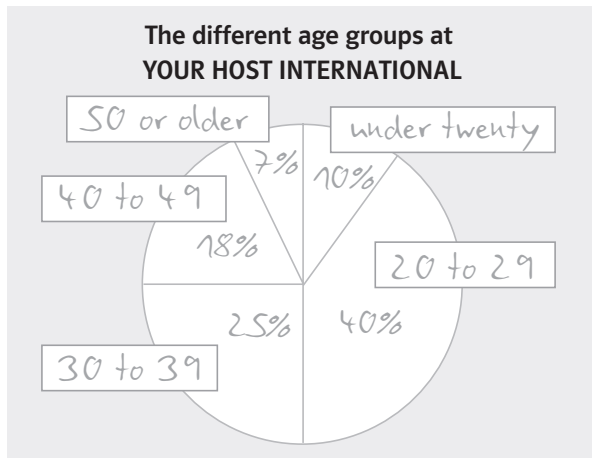


**11 a)**

1. line graph, 2. pie chart, 3. bar chart

**11 b)**

- 1. 7%
- 2. 50



**11 c)**

- 1. bar
- 2. applicants
- 3. 460
- 4. fell, decreased, dropped, went down
- 5. rose, increased, grew, went up
- 6. 15
- 7. significantly, considerably, sharply
- 8. remained
- 9. rose, increased, grew, went up

**Unit A**

Seite 28

**1 a)**

- 1. Scotland, a) Edinburgh
- 2. Northern Ireland, b) Belfast
- 3. Ireland, c) Dublin
- 4. Wales, d) Cardiff
- 5. England, e) London

**1 b)**

Ireland

**1 c)**

Northern Ireland

**1 d)**

London

**2**

- 1. Dear
- 2. Thank you very much
- 3. glad
- 4. getting to know
- 5. As you know
- 6. placement
- 7. experience
- 8. forward
- 9. working
- 10. Yours sincerely

**3 a)**

- 1. help
- 2. vacancies
- 3. moment
- 4. check
- 5. is
- 6. far
- 7. sorry, offer
- 8. reduction
- 9. spell
- 10. lot

**3 b)**

- 1. B; 2. L; 3. D; 4. I; 5. F; 6. M; 7. A; 8. K; 9. E;
- 10. J; 11. G; 12. N; 13. H; 14. O; 15. C; 16. P

**Unit 3**

Seite 30

**1**

- 1. e); 2. a); 3. b); 4. f); 5. d); 6. h); 7. c); 8. g)

**2**

- 1. After Julia had entered the chemist's she bought a bottle of shampoo.
- 2. She tried on some trainers after she had looked at new fitness equipment.
- 3. After she had met her friend Jenny they had lunch together.
- 4. After Jenny had left Julia continued with her shopping.
- 5. She went to a clothes shop after she had bought a magazine.
- 6. After she had tried on new clothes for an hour she decided to go to the supermarket.
- 7. She went to the cash desk after she had put milk, bread and meat into her shopping basket.
- 8. After she had left the shopping centre she took the bus home.

**3**

- 1. The car was coming from the petrol station.
- 2. The driver was using his mobile phone.
- 3. He was not watching the traffic.
- 4. The school bus driver was talking to a pupil on the bus.
- 5. They crashed in the middle of the street.
- 6. I got on the school bus.
- 7. The pupils were crying.

**4**

- 1. While / When Julia was unpacking her bags the telephone rang.
- 2. While / When she was counting her money she dropped some coins.
- 3. While / When she was putting the food in the fridge a neighbour knocked on the door.
- 4. While / When she was talking to the neighbour her cat ran out.
- 5. While / When she was looking for her cat another accident happened.

freie Übung – Beispiel:

While / When she was phoning the ambulance her cat came back.

While / When she was helping an injured man the ambulance arrived.

**5**

- |                 |                      |
|-----------------|----------------------|
| 1. got          | 6. had found         |
| 2. were         | 7. invented          |
| 3. had been     | 8. has become        |
| 4. were working | 9. has sold          |
| 5. had          | 10. is / are working |

**6 a)**

Synonyms:

- |                            |                        |
|----------------------------|------------------------|
| 1. family (l. 1)           | 1. older (l. 1)        |
| 2. range (l. 4)            | 2. to get up (l. 2)    |
| 3. housewife (l. 7)        | 3. early (l. 3)        |
| 4. to check (l. 20)        | 4. to heat (up) (l. 8) |
| 5. electric (l. 15)        | 5. different (l. 11)   |
| 6. in the meantime (l. 18) | 6. to switch on (l. 1) |
| 7. iron (l. 36)            | 7. easier (l. 30)      |
| 8. equipment (l. 40)       | 8. to save (l. 37)     |
| 9. to surround (l. 40)     | 9. question (l. 44)    |
| 10. habit (l. 54)          | 10. less (l. 53)       |

**6 b)**

- |             |              |
|-------------|--------------|
| 1. get up   | 6. surround  |
| 2. check    | 7. easier    |
| 3. range    | 8. save      |
| 4. heat     | 9. equipment |
| 5. electric |              |

**7**

- How can I help you?
- Where did you see the advertisement for the digital camera?
- Have you already tested / tried out the camera?
- How did you feel when you were testing / trying out the camera?
- Did you still like your old digital camera after you had tested / tried out the new camera?

**8 a)**

- Good morning, sir, how can I help you?
- Good morning. I'm interested in laptops. Have you got any special offers?
- Of course, sir. We have a wide range of laptops. What are you especially interested in?
- Well, I'd like to have a small one which I can put in my briefcase.
- No problem, sir. This here is our latest netbook. Would you be interested in learning some more about it?
- That would be nice.
- This netbook has a 10 inch screen and Internet access and it's not too expensive.
- How much is this model?
- We have a special offer today. It's only \$199.
- And what about different colours? I'd prefer a white one.
- No problem. The white one is the same price.
- That's fine. I'll take it.
- Thank you very much.
- Thank you for your help.
- You're welcome.

**8 b)**

- How much is this model?
- Would you be interested in learning some more about it?
- That would be nice.
- And what about different colours?
- Thank you for your help.
- I'll take it.
- I'd prefer a white one.
- Of course, sir.
- How can I help you?
- It's only ...
- You're welcome.
- No problem, sir.

**8 c) freie Übung**

**9**

- |            |                 |
|------------|-----------------|
| 1. replace | 9. current      |
| 2. install | 10. switch      |
| 3. wire    | 11. temperature |
| 4. measure | 12. copper      |
| 5. visible | 13. disrupt     |
| 6. bulb    | 14. device      |
| 7. power   | 15. conductor   |

Solution: parallel circuit

**10**

- to use – use / user – useful / useless
- to secure – security – secure
- to automate – automation / automat – automatic / automated
- to heal – health – healthy
- to act / activate – activity / activist / activation – active
- to heat – heat – hot
- to save – safety – safe
- to realize – reality – real
- to encourage – encouragement / courage – encouraging / courageous
- to connect – connection – connected / connective
- to live – life – live / alive
- to support – support / supporter – supportive / supporting

**Unit 4**

Seite 36

**1**

- |                |                    |
|----------------|--------------------|
| 1. viewer      | 6. audience        |
| 2. decade      | 7. generation      |
| 3. significant | 8. entertainment   |
| 4. attitude    | 9. habit           |
| 5. difference  | 10. communications |

**2**

- I'll help you.
- I'll bring you one.
- I'll look it up for you.
- I'll do it for you.
- I'll show you.
- I'll be with you in a minute.

### 3 Beispiele:

1. I expect that there will be commercials on TV most of the time.
2. I (do not) think that people will not talk to each other any more.
3. I suppose we will not use mobile phones any more.
4. I'm afraid that people will still go by car then.
5. I expect that some people will live on Mars.
6. I'm sure that life will be more comfortable than it is today.

4 a) 1. c); 2 d); 3. b); 4 a); 5 g); 6 e); 7 f)

### 4 b)

1. c) The assistant is going to send it.
2. d) The trainee is going to turn it on.
3. b) The manager is going to make a call.
4. a) The secretary is going to write a letter.
5. g) The employee is going to eat it.
6. e) The technical assistant is going to test it.
7. f) The secretary is going to put it in an envelope.

### 5

1. will
2. will
3. will
4. will
5. is going to
6. will

### 6

1. I will probably pass my exam(ination).
2. I suppose I will have enough time to study.
3. I'm going to visit you in my next holidays.
4. I've bought a new computer program and I'm going to try/test it tonight.
5. My mother has just asked me to help her. I'll be back in ten minutes.

### 7

1. f); 2. g); 3. a); 4. c); 5. j); 6. h); 7. k); 8. e); 9. b); 10. d); 11. l); 12. i)

### 8

- |                   |                          |
|-------------------|--------------------------|
| 1. according to   | 6. to find out           |
| 2. to check out   | 7. to have access to     |
| 3. in order to    | 8. to be obsessed with   |
| 4. to be aware of | 9. to be addicted to     |
| 5. the use of     | 10. to have an effect on |

### 9 a)

- |               |                 |
|---------------|-----------------|
| 1. painting   | 9. social       |
| 2. sitting    | 10. Internet    |
| 3. girl's     | 11. exaggerates |
| 4. puzzled    | 12. publish     |
| 5. waiting    | 13. users       |
| 6. caption    | 14. care        |
| 7. cartoonist | 15. dangers     |
| 8. past       |                 |

### 9 b)

The cartoon shows a man sitting at a table in an Internet café. He is looking at the notebook which is in front of him – maybe he is doing some work on it. In the background we can see another man who is also using a laptop. Beside the man in the foreground a waitress who is holding the menu in her hands is looking at the man. Maybe she has just asked him what he wants to order. According to the caption the guest says: "I've never eaten here. I come for the broadband." The cartoonist is making fun of the fact that more and more restaurants, bars and cafés offer free Wi-Fi in order to attract customers. This could lead to the situation where guests do not come to eat or drink something but only want free access to the Internet.

In my opinion the cartoonist exaggerates a little but of course, sometimes people only order one drink and then spend hours using the free Internet in the bar or café.

### 10

Across:

4. flipside
8. confidential
9. decrease
10. independent
12. application
14. replace
15. prefer

Down:

1. abroad
2. spell
3. online
5. professional
6. task
7. graduate
9. dull
11. employee
13. hire

## Unit 5

Seite 42

### 1

- |                             |                 |
|-----------------------------|-----------------|
| 1. challenge                | 6. loss         |
| 2. heading                  | 7. application  |
| 3. communication            | 8. rejection    |
| 4. isolation                | 9. surveillance |
| 5. (un)employment, employee | 10. text        |
|                             | 11. list        |

### 2

1. e) England is a country which has a large number of immigrants.
2. b) Beefeaters are guards who work at the Tower of London.
3. a) Drugstores are shops which sell cosmetics as well as medicine.
4. c) Adele is a singer who has had some number one hits.
5. d) Leeds is a big city which lies in the north of England.

### 3

- |           |            |
|-----------|------------|
| (1) which | (7) which  |
| (2) --    | (8) --     |
| (3) which | (9) which  |
| (4) who   | (10) which |
| (5) who   | (11) --    |
| (6) --    |            |



## 4

3. You must turn your mobile phone off.
4. You mustn't use your mobile phone in the museum.
5. You must be quiet.
6. You mustn't shout or run in the museum.
7. You mustn't take photos in the museum.
8. You must keep a safe distance between you and the pictures.
9. You mustn't touch the pictures.
10. You mustn't smoke inside the building.

## 5 Beispiele:

2. In 100 years' time I think people will not be able to go skiing in the Alps.
3. In 100 years' time I think Americans will have to have an identity card.
4. In 100 years' time I think a lot of older people will be able to handle a computer.
5. In 100 years' time I think guests will not be allowed to smoke in restaurants.
6. In 100 years' time I think people will not be allowed to drive cars with a petrol engine.
7. In 100 years' time I think young people will be allowed to drive a car at the age of 17.

## 6 Beispiele:

1. *Berufsschule* is a college which is attended by older pupils who do their vocational training partly in companies and partly at school.
2. *Fachhochschulreife* is a grade which you can obtain at college after doing a two-year course there.
3. *Klausur* is a kind of test which pupils (students) take during terms.
4. *Klassenbuch* is a large book in which names and attendance of students are registered and in which the teachers fill in the contents of their lessons.
5. *Klassensprecher* is a student who acts as a representative for his or her class.

## 7 a)

1. school, education
2. (the) development (of schools)

## 7 b)

The text deals with the development/history of schools or of the school system.

## 7 c)

- |                          |            |
|--------------------------|------------|
| 1. leisure               | 5. Britain |
| 2. more than 2,000 years | 6. 1880    |
| 3. mosque                | 7. eleven  |
| 4. Latin                 | 8. one     |

## 7 d)

## „Schulen früher und heute“

Heutzutage besteht in den meisten Ländern Schulpflicht für Kinder, jedoch hatte das Wort für „Schule“ im Griechischen ursprünglich die Bedeutung „Freizeit“. Vor mehr als 2000 Jahren gab es in Griechenland und China schon Schulen. Auch im

Islam entwickelte sich sehr früh ein Schulsystem: In den Moscheen wurde nicht nur gebetet, sondern auch gelernt, bis separate Schulen eingerichtet wurden. Im Mittelalter wurde in Europa vor allem Latein unterrichtet. Jedoch konnten die meisten Kinder nicht zur Schule gehen, da sie arbeiten mussten. Erst 1880 wurde in Großbritannien die Schulpflicht für 5- bis 10-Jährige eingeführt. 1944 wurde die Schulpflicht in Großbritannien für Kinder bis zu einem Alter von 15 Jahren erweitert und die Schulen wurden in Grundschulen und weiterführende Schulen aufgeteilt. Viele der ersten Schulen in Europa und Nordamerika bestanden aus einem Raum, in dem alle – unabhängig vom Alter – von einem Lehrer unterrichtet wurden. Erst 1920 entwickelten sich die Schulen zu größeren Institutionen, die aus mehreren Klassenräumen und anderen Einrichtungen bestanden.

## 8

- |                    |                      |
|--------------------|----------------------|
| 1. to come from    | 8. to carry out      |
| 2. to think about  | 9. to replace with   |
| 3. to be about     | 10. to choose from   |
| 4. to skim through | 11. to cope with     |
| 5. to read through | 12. to separate from |
| 6. to point out    | 13. to look into     |
| 7. to combine with |                      |

## 9

1. are about
2. skim / read through
3. replaced with
4. points out
5. cope with
6. thinking about
7. separated from
8. carry out

## 10

- |                          |                          |
|--------------------------|--------------------------|
| 1. radio show            | 7. customer satisfaction |
| 2. technical innovations | 8. modern design         |
| 3. safety product        | 9. blind spot            |
| 4. Internet platform     | 10. cancer research      |
| 5. dark night            | 11. cycling community    |
| 6. crowdfunding project  | 12. high quality         |

## 11

1. steam engine / steam ship
2. factory
3. electricity
4. production line
5. motor car
6. robot / artificial intelligence

## 12

- |                 |            |
|-----------------|------------|
| 1. boost        | 8. advance |
| 2. bonnet       | 9. examine |
| 3. replace      | 10. human  |
| 4. transform    | 11. guide  |
| 5. coordination | 12. impact |
| 6. increase     | 13. adapt  |
| 7. productivity | 14. spread |

Solution: self-driving car

## 1 a)

B, G, C, I, H

## 1 b)

Lösungsvorschlag:

1. First go down Abingdon Street.
2. At the traffic lights turn right.
3. Then go down Bridge Street.
4. Go past Big Ben.
5. Cross Westminster Bridge.
6. After crossing the bridge turn left into Queen's Walk.
7. Soon you can see the London Eye right in front of you.

## 2

- |             |           |
|-------------|-----------|
| 1. from     | 8. on     |
| 2. welcome  | 9. easily |
| 3. I'm      | 10. fine  |
| 4. Pleased  | 11. May   |
| 5. meet     | 12. serve |
| 6. call     | 13. else  |
| 7. pleasant | 14. tired |

## 3 a)

- |          |          |
|----------|----------|
| 1. e) n) | 5. f) m) |
| 2. c) i) | 6. h) k) |
| 3. a) j) | 7. b) p) |
| 4. g) o) | 8. d) l) |

## 3 b)

1. May I join you? Of course, please take a seat.
2. Have you just arrived? No, I've been staying here for a week.
3. Where do you come from, Rose? I'm from Cardiff. That's in Wales.
4. What brings you to this part of the world? I'm on holiday.
5. What are you doing here in London? I'm doing a work placement here in London.
6. And what are your plans for the next few days? I'm going to do some sightseeing.
7. Are you ready to order? One moment please.
8. What are you having for breakfast, Graham? I would like to have a full English breakfast.

## 4

Across

2. warm
4. hot
7. frosty
9. sunny
11. stormy
12. windy
14. cold
15. hazy

Down:

1. shower
3. rainy
5. unsettled
6. cloudy
8. snow
10. bright
13. fog

## 1

1. d); 2. f); 3. g); 4. a); 5. b); 6. i); 7. k); 8. e); 9. c); 10. l); 11. h); 12. j)

## 2

1. b); 2. i); 3. e); 4. h); 5. f); 6. c); 7. d); 8. a); 9. g)

## 3

1. The presenter welcomed us to his nature presentation.
2. He thanked us all for coming.
3. He said that some days before he had been right there and had found that place ideal for the meeting that day.
4. He went on to say that he wanted to show us the beauty and the problems of our environment.
5. He added that the tree next to him was a good example.
6. (He told us that) It had grown for many years.
7. He said that during his presentation that beautiful tree was protecting us from the sunshine.
8. But (he went on to say that) the tree did not look as good as it had done some years before.
9. He informed us that air pollution had made it difficult for many species to survive.
10. He concluded that perhaps within only a few generations there would be no trees there any more.
11. He added that it was his aim to stop that development.
12. In the end he said that he knew that we were all there to help.

## 4

3. Drizzlezizzle asked if they had taken part in the latest demonstration for tuna.
4. Foxy1a wanted to know if there was a local group.
5. TreeTop asked when GreenLife had become international.
6. EnviroTwo wanted to know if they worked together with other organizations.
7. LogoLogo asked where the meeting would take place in the following week.
8. DesmondDes wanted to know how much money they got from companies.
9. Wishywashy asked if they were also dealing with the water problems in the Third World.

## 5

1. The scientists stated that they had found new results.
2. They hoped that they would be able to help the environment.
3. They added that they were working hard on the problems.
4. The scientists informed the viewers that their solutions would cost a lot of money.
5. They said in conclusion that they had talked with the president about their plans the week before.

## 6

- |   |                      |
|---|----------------------|
| 1. to produce                               | 9. reaction          |
| 2. life                                     | 10. offer / offering |
| 3. consumer                                 | 11. to contribute    |
| 4. development                              | 12. pollution        |
| 5. competition                              | 13. to modify        |
| 6. to standardise BE / to<br>standardize AE | 14. to label         |
| 7. to expect                                | 15. protection       |
| 8. taste                                    | 16. challenge        |

## 7 a)

- |               |               |
|---------------|---------------|
| 1. ecological | 7. economist  |
| 2. ecologist  | 8. economize  |
| 3. ecology    | 9. economy    |
| 4. economic   | 10. ecosystem |
| 5. economical | 11. ecstasy   |
| 6. economics  | 12. ecstatic  |

## 7 b)

Nouns:

ecologist, ecology, economics, economist, economy, ecosystem, ecstasy

Adjectives:

ecological, economic, economical, ecstatic

Verbs: economize

## 7 c)

- Stress on the first syllable:  
ecosystem, ecstasy
- Stress on the second syllable:  
ecologist, ecology,  
economist, economize,  
economy, ecstatic
- Stress on the third syllable:  
ecological, economic, economical, economics

## 7 d)

- |              |               |
|--------------|---------------|
| 2. ecologist | 8. economize  |
| 3. ecstasy   | 9. economical |
| 4. economic  | 10. ecosystem |
| 5. economist | 11. ecstatic  |
| 6. economics | 12. ecology   |
| 7. economy   |               |

## 7 e)

- |               |                |
|---------------|----------------|
| 2. ecology    | 8. ecosystem   |
| 3. economical | 9. economize   |
| 4. economy    | 10. ecological |
| 5. economics  | 11. economic   |
| 6. ecstatic   | 12. economist  |
| 7. ecologist  |                |

## 8 a)

**Economy**

supermarket  
trade  
goods  
products  
demand

**Transportation**

flight  
railway  
road

**Ecological effects**

climate change  
overfishing  
soil erosion  
lack of fresh water

**Political effects**

instability  
violence  
conflict

## 9

- |             |              |
|-------------|--------------|
| 1. grind    | 9. shut down |
| 2. own      | 10. invest   |
| 3. operate  | 11. create   |
| 4. choke    | 12. treat    |
| 5. force    | 13. drain    |
| 6. fall     | 14. burn     |
| 7. note     | 15. run      |
| 8. forecast | 16. blame    |

**Unit 7**

Seite 56

## 1

**Fossil fuels:** oil, natural gas, coal

**Renewable sources of energy:** wind power, water power, wave power

**Energy sources available in and around Scotland:** oil, natural gas, wind, water, wave power

## 2 Beispiele:

Meaningful sentences:

- Milk must / should be kept in the refrigerator.
- Soup must / can be cooked on the cooker.
- Plates should / can be cleaned in the dishwasher.
- E-mails can / must be written on a laptop.
- Calls can / must be made on the telephone (laptop).

Funny sentences:

- Bread cannot be made in the dishwasher.
- Milk must not be kept in the toaster.
- Plates cannot be toasted in the refrigerator.
- E-mails cannot be written on the cooker.

## 3

1. First the chicken is cleaned under running water.
2. Then the chicken is boiled in 6 cups of salt water until it is fully cooked.
3. The chicken is taken out and cut into pieces.
4. The potatoes are peeled and cut into small pieces.
5. The carrots are prepared in the same way.
6. Chicken bouillon is added and the potatoes, carrots and chicken are cooked for twenty minutes.
7. At the end the noodles are added and cooked until they are tender.
8. The soup is decorated with parsley.

## 4

1. In 1828 the method of producing cocoa powder was invented by Van Houten.
- 2./3. This powder was mixed with sugar and a drink was made that tasted delicious.
4. Some years later the first chocolate bar was produced by an English company.
5. In 1875 the first milk chocolate was made by a Swiss manufacturer.

6. Today chocolate is loved by most people.
7. Last year over 5 billion pounds were spent by chocolate lovers in the UK.
8. About half of the world's chocolate production was eaten by US consumers.
9. The Swiss eat the most per person – more than 10kg are consumed per person per year.

### 5 a)

- |                   |                |
|-------------------|----------------|
| 1. printing press | 4. robot       |
| 2. wheel          | 5. metal tools |
| 3. stone tools    |                |

### 5 b)

- |                            |                            |
|----------------------------|----------------------------|
| 2. is called               | 8. was developed           |
| 3. was discovered          | 9. have been changed       |
| 4. had been invented       | 10. is done                |
| 5. were revolutionized     | 11. are entertained        |
| 6. was / had been invented | 12. will be made           |
| 7. was made                | 13. cannot even be thought |

### 6 Beispiele:

1. Credit cards are not accepted.
2. Money can be changed here.
3. All items / articles are sold at half price.
4. Cars must not be parked here. / You are not allowed to park your car here.

### 7

1. f); 2. j); 3. a); 4. k); 5. g); 6. c); 7. e); 8. d); 9. b); 10. h); 11. l); 12. i)

### 8

- |                   |                 |
|-------------------|-----------------|
| 1. inventions     | 7. insemination |
| 2. diseases       | 8. diagnostics  |
| 3. X-rays         | 9. defects      |
| 4. defibrillators | 10. gender      |
| 5. antibiotics    | 11. risks       |
| 6. genetic        |                 |

### 9 a)

Arguments for technology:

- creates new jobs
- makes work more efficient
- makes hard work easier with the help of machinery
- lets machines do the dirty and dangerous work
- increases international competitiveness
- connects people worldwide through information technology and new or faster forms of transport
- access to information is easier
- communication has become cheaper, quicker and more efficient
- makes life easier
- medical science saves lives

Arguments against technology:

- replaces workers with computers and robots
- increases unemployment
- has led to weapons of mass destruction
- uses a lot of energy

- developing countries cannot afford advanced technology
- people in developing countries are still dying of hunger
- people must learn new skills for the new production methods
- it is becoming more and more complex and difficult to handle

### 9 b) freie Übung

### 9 c) Beispiel:

We are all surrounded by modern technology today. We work on computers, communicate by Internet or mobile phone and can watch football matches on TV that are taking place right now thousands of miles away. This all seems to make our world a much easier place to live in.

Some people argue that modern technology has not really helped mankind. In developed countries it has made millions of people unemployed because workers have been replaced by computers and robots. Secondly – in the wrong hands – technology in the form of weapons of mass destruction can be used to kill millions of people. Moreover, modern technology has not really helped people in developing countries. Poor countries cannot afford expensive technology and so people there still die of hunger.

On the other hand, though, many people argue that modern technology has improved life in many ways. Machines do the dull, dirty or dangerous jobs and those countries that introduced modern technology first have increased their competitiveness because they can produce faster and more cheaply. Communication networks have brought people closer together and we have access to a wide range of information from all over the world. Finally we should not forget that the use of modern technology in medicine has already helped to save millions of lives and will be even more useful in the future.

I think that the advantages by far outweigh the disadvantages. Modern technology will improve everybody's life in the future but of course, we must watch out for the dangers. In conclusion I would like to point out that modern technology is present in nearly all areas of life and the clock cannot be turned back any more even if we wanted to.

### 10

Across:

2. probably
3. shortage
5. reliance
9. decade
10. challenge
16. science
18. productivity
21. plant
22. planet
23. modified
24. researcher
25. billion

Down:

1. urge
2. pesticide
4. debate
6. starvation
7. modification
8. genetic
11. suffer
12. cultivation
13. sustainable
14. unacceptable
15. population
17. crop
19. benefit
20. response
21. powerful

## Unit 8

Seite 62

## 1

- |                                |                       |
|--------------------------------|-----------------------|
| 1. c) consumer goods           | 6. g) CO2 emissions   |
| 2. f) remote part of the world | 7. b) global warming  |
| 3. a) mass tourism             | 8. e) sea level       |
| 4. j) air pollution            | 9. d) coastal area    |
| 5. h) return flight            | 10. i) tourist resort |

## 2

- If the alarm clock does not ring, the Barkers will get up late.
- If the Barkers get up late, they will be in a hurry.
- If they are in a hurry, they will forget their passports.
- If they forget their passports, they will not be able to check in at the airport.
- If they are not able to check in at the airport, they will decide to drive home again to get their passports.
- If they drive home again to get their passports, they will not be in time for their flight.
- If they are not in time for their flight, they will (have to) spend their holidays in England.
- If they spend their holidays in England, they will not have as much sunshine as in Majorca.
- If they do not have as much sunshine as in Majorca, the children will not get sunburned.
- If the children do not get sunburned, they will not suffer from skin problems when they are older.

## 3

- If it rained, I would not play badminton.
- If I had money, I would buy a car.
- If I were sick, I would not go on holidays.
- If Toby liked football, he would watch it on TV.
- If Mandy went on holiday to the USA, she would visit the White House.
- If Roberta and Sue lived in London, they would go shopping a lot.
- If Dave and Allen went to Ireland, they would travel by ferry.
- If Vance had a driving licence, he would go by motorbike.

## 4 a)

1. c); 2. g); 3. e); 4. b); 5. f); 6. d); 7. h); 8. i); 9. a)

## 4 b)

- If Columbus' ship had sunk, he wouldn't have discovered America.
- If someone invents a very fast spaceship, we will be able to travel to other galaxies.
- The oil reserves would last longer if cars consumed less petrol.
- If people drove more slowly, driving would be less dangerous.
- Fewer people would travel by plane if flights were more expensive.
- Someone else would have invented the car if Gottlieb Daimler had not had the idea.
- Columbus would not have been able to search for India if the Queen had not given him the money.
- There would be more road accidents if people bought more cars.
- You will never reach your aim if you do not start now.

## 5

- I will be able to check in via Internet if I want to save time.
- If I want to have breakfast at the hotel, I will have to pay \$10 more.
- If I travelled with a partner, the journey would be cheaper for me.
- If I had come a week ago / the week before, the agent / he / she would have had a special offer.
- I will have to pay \$300 more if I want to fly directly to Washington.

## 6 a)

- past simple
- present simple
- past simple
- will-future
- present perfect simple
- past perfect simple / past simple
- past continuous
- present continuous

## 6 b)

- The Waltons travelled to Hawaii last year.
- Many Germans usually spend their holidays in Germany.
- He visited India two months ago.
- I will go to Austria.
- Spain and France have been popular in the past few years.
- He had been to Alaska before he went to Canada.
- His wife was staying at 10 Downing Street at that time.
- The holiday makers are leaving because of the rain.

## 7

- nine years
- 40,000
- vessels with 13,000 standard containers
- 2016
- 400 metres
- 40 tonnes
- 25 metres, 60 tonnes
- 750 km / hour, 40 tonnes
- globalization of markets, a rise in the demand for goods
- lower transport costs
- damage to the road surface, risk of serious accidents
- toxic emissions
- not sure if the trend is better

## 8

- |                |                  |
|----------------|------------------|
| 1. supplier    | 5. electricity   |
| 2. producer    | 6. reliability   |
| 3. worker      | 7. productivity  |
| 4. receiver    | 8. activity      |
| Ending: -er    | Ending: -ity     |
| 9. development | 13. distribution |
| 10. management | 14. location     |
| 11. employment | 15. automation   |
| 12. equipment  | 16. inspection   |
| Ending: -ment  | Ending: -tion    |



## 9

1. to share – headline
2. suburb – headline
3. to interview – l. 1
4. surprise – l. 6
5. cargo – l. 14
6. rapid – l. 15
7. convinced – l. 16
8. distant – l. 27
9. impact – l. 50
10. lane – l. 76

## Unit C

Seite 68

### 1

- |              |            |         |
|--------------|------------|---------|
| 1. meet      | 4. Pleased | 7. from |
| 2. introduce | 5. myself  | 8. come |
| 3. this      | 6. name    |         |

### 2

- |             |            |             |
|-------------|------------|-------------|
| 1. behind   | 4. next    | 7. the left |
| 2. in front | 5. far     |             |
| 3. between  | 6. the end |             |

### 3

- |                |                           |
|----------------|---------------------------|
| 1. gripper arm | 7. boreholes              |
| 2. shaft       | 8. safety goggles         |
| 3. CNC machine | 9. safety helmet          |
| 4. handbook    | 10. emergency stop button |
| 5. spindle     | 11. workshop              |
| 6. drill       | 12. vernier calliper      |

### 4

1. Can you please give me the handbook?
2. Where is the emergency stop button?
3. Can you please help me to fix / fit the tool?
4. Why are there cutting marks visible on the shaft?
5. Who is responsible for quality control?

## Unit 9

Seite 70

### 1

1. g); 2. h); 3. b); 4. c); 5. a); 6. i); 7. e); 8. f); 9. d)

### 2 Beispiele:

1. Mrs Wilson wanted us to inform as many people as possible about their group.
2. She asked us not to leave the poor countries alone with their problems.
3. She made us think about the ways we could help.
4. She asked us to come to their next meeting.
5. She let us watch the new film about Central Africa.
6. She expected us not to look the other way when there were people in need.
7. She let us have a cup of tea in the break.
8. She asked us to help with their future activities.

## 3

1. Desmond likes watching films on TV.
2. Desmond dislikes watching basketball.
3. Desmond prefers cycling to skating.
4. Desmond hates just hanging around.
5. Desmond enjoys talking to Debbie.
6. Desmond loves helping other people.

### 4 a)

1. be afraid of
2. have the chance of
3. be good at
4. look forward to
5. succeed in
6. have the opportunity of
7. be tired of
8. apologize for
9. have difficulty in

### 4 b)

1. We have the chance (opportunity) of changing the world a little.
2. Sometimes we have difficulties finding new members.
3. I'm afraid of making too many mistakes.
4. We succeeded in raising £800 at the last meeting.
5. I look forward to having a nice barbecue in July.
6. I apologize for talking too much.

## 5

- |               |            |
|---------------|------------|
| 1. invisible  | 5. legal   |
| 2. properly   | 6. poorly  |
| 3. really     | 7. cheaply |
| 4. inadequate | 8. largely |

## 6

1. a) employee, b) fashion designer, c) researcher, d) women e) children
2. a) textile industry, b) company, c) garment industry, d) retailer
3. a) health and safety standards, b) bullying, c) toilet breaks, d) employment contracts, e) workers' rights
4. a) wage, b) maternity pay, c) labour costs, d) income
5. a) factory, b) shed, d) workshop, d) sewing machine

### 7 a)

A Geografie, B Geschichte, C Regierungssystem, D Bevölkerung, E Wirtschaft

### 7 b)

A Geografie  
South Asia – neighbouring India – less than half the size of Germany – flat – land of rivers

B Geschichte  
British Empire for a long time – after World War II part of India and part of Pakistan – independent in 1971

C Regierungssystem  
parliamentary democratic state – capital Dhaka – Prime Minister Sheik Hasina

D Bevölkerung  
 doubled in 50 years – 150 million – densely populated – Bengali – English second language – 85% Muslims

E Wirtschaft  
 developing country – important agricultural producer – 70% export earnings textile industry – poor country – 25% below international poverty line (US\$1.25 per day)

**7 c)**

A Geografie  
 Südasien – Nachbarland Indien – weniger als halb so groß wie Deutschland – flach – viele Flüsse

B Geschichte  
 lange Zeit zum Britischen Weltreich gehörend – nach dem 2. Weltkrieg teils zu Indien, teils zu Pakistan – seit 1971 unabhängig

Regierungssystem  
 parlamentarische Demokratie – Hauptstadt Dhaka – Premierministerin Scheich Hasina

Bevölkerung  
 in 50 Jahren verdoppelt – 150 Millionen – dicht besiedeltes Land – Sprache: Bengali – Zweitsprache Englisch – 85% Muslime

Wirtschaft  
 Entwicklungsland – wichtiger Produzent von landwirtschaftlichen Produkten – 70% der Exporterlöse durch die Textilindustrie – armes Land – 25% der Bevölkerung unter der internationalen Armutsgrenze (US\$1,25 am Tag)

**8**

- |                             |                   |
|-----------------------------|-------------------|
| 1. growth                   | 13. dress         |
| 2. to produce               | 14. to label      |
| 3. export                   | 15. change        |
| 4. to sell                  | 16. to train      |
| 5. demand                   | 17. ability       |
| 6. to attend                | 18. to globalize  |
| 7. statement                | 19. organization  |
| 8. to commit                | 20. to cooperate  |
| 9. protection               | 21. communication |
| 10. to exist                | 22. to move       |
| 11. shopper, shopping, shop | 23. management    |
| 12. to improve              | 24. to cost       |

**9**

Across:

2. local
5. poverty
7. useful
9. abuse
11. sustainability
15. footprint
17. resource
18. garment

Down:

1. mill
3. cotton
4. exploitation
5. production
6. demands
8. customer
10. fashion
12. charity
13. colleague
14. disaster
16. require
19. treat

**10**

1. I enjoy living in the 21st century.
2. Now I have the chance/opportunity of informing lots of people.
3. I don't want people in the Third World to suffer from hunger.
4. I'm asking you to buy Fairtrade products.
5. I look forward to helping a lot of children.
6. Thinking of it/the thought of it makes me hope for a better world.

**Unit 10**

Seite 76

**1**

1. g); 2. c); 3. a); 4. i); 5. b); 6. j); 7. d); 8. e); 9. h); 10. l); 11. f); 12. k)

**2**

1. ... in the country officially called the Republic of Nicaragua ...
2. ... the region lying close to the Caribbean Sea ...
3. ... of the population living in Nicaragua ...
4. ... of the population totalling nearly six million ...
5. ... most of the Indian civilization destroyed by the Spanish ...
6. ... and those having jobs ...
7. ... but products made in the USA ...
8. ... people living here ...

**3**

1. After hearing a lot about Nicaragua Rita decided to live there.
2. Wanting to know as much as possible about Nicaragua she did a lot of research into the country.
3. Before going to Nicaragua she sold her car.
4. After looking for a place to live for a few days she rented a small house.
5. While working for a US company she met a lot of US Americans.
6. Being very open-minded she soon found friends in Nicaragua.
7. Wanting to get to know the country better Rita bought an old motorbike.
8. After having so many nice experiences in Nicaragua Rita wants to stay there forever.

**4**

- |                   |                |
|-------------------|----------------|
| 1. losing         | 8. to come     |
| 2. causing        | 9. offering    |
| 3. leave          | 10. collecting |
| 4. being attacked | 11. creating   |
| 5. helping        | 12. providing  |
| 6. trying         | 13. living     |
| 7. join           | 14. help       |

## 5

Hello!

Are you tired of spending your evenings in front of the TV? Are you interested in working with a group of young people? Do you enjoy helping other people who are poor or suffer from health problems? So why don't you join our One-World-Group. Young people from all walks of life meet here regularly. You will also have the chance to get to know members of groups from other countries.

## 6

1. to create, creative, creation / creator
2. to secure, secure, security
3. to widen, wide, width
4. to collect, collective, collection
5. to inform, informative, information
6. to effect, effective, effect
7. to realize, real, reality
8. to suspect, suspicious, suspicion
9. to weaken, weak, weakness
10. to save, safe, savings / safe
11. to use, useful / useless, use
12. to worry, worried, worry / worries
13. to protect, protective, protection
14. to stabilise BE / stabilize AE, stable, stability
15. to globalise BE / globalize AE, global, globalisation BE / globalization AE
16. to practise BE / practice AE, practical, practice

## 7 a)

A 3 B 4 C 2 D 6 E 1 F 5

## 7 b)

1. d); 2. a); 3. f); 4. c); 5. b); 6. e)

## 7 c)

- |                                      |                         |
|--------------------------------------|-------------------------|
| 1. Thomas Wilson                     | 9. transparency         |
| 2. The Political Newspaper           | 10. Facebook            |
| 3. 13 November 2015                  | 11. governments         |
| 4. user data                         | 12. the United States   |
| 5. Internet                          | 13. content limitations |
| 6. democracy                         | 14. provide             |
| 7. NSA                               | 15. cornerstones        |
| 8. communication technology industry | 16. freedom             |

## 8

- |                 |                 |
|-----------------|-----------------|
| 1. discussion   | 9. judgment     |
| 2. decision     | 10. development |
| 3. restriction  | 11. assignment  |
| 4. expression   | 12. argument    |
| 5. constitution | Ending: -ment   |
| 6. motion       |                 |
| 7. introduction |                 |
| 8. division     |                 |
- Ending: -ion

13. examination
  14. participation
  15. publication
  16. presentation
  17. discrimination
  18. specification
  19. motivation
  20. declaration
- Ending: -ation

21. authority
  22. equality
  23. humanity
  24. nationality
- Ending: -ity

## 9

- |                |                |
|----------------|----------------|
| 1. open        | 10. legal      |
| 2. safety      | 11. short-term |
| 3. deaths      | 12. gloomy     |
| 4. immigration | 13. enable     |
| 5. deadly      | 14. systematic |
| 6. desperate   | 15. public     |
| 7. inside      | 16. safe       |
| 8. received    | 17. locked     |
| 9. pull        | 18. enter      |

## 10

- |               |                  |
|---------------|------------------|
| 1. protection | 8. approach      |
| 2. scheme     | 9. rescue        |
| 3. smuggler   | 10. vulnerable   |
| 4. military   | 11. condemnation |
| 5. announce   | 12. refugee      |
| 6. tide       | 13. emergency    |
| 7. measure    | 14. cemetery     |

Solution: *The Independent*

## Unit 11

Seite 84

### 1 a)

- |             |          |          |          |
|-------------|----------|----------|----------|
| 1. a) true  | b) false | c) false | d) true  |
| 2. a) false | b) true  | c) false | d) true  |
| 3. a) true  | b) false | c) true  | d) false |

### 1 b)

1. ... she didn't want to be unemployed ... she didn't want to be left without any job qualifications.
2. ... a special effects company in Manchester.
3. ... the leading British TV broadcasters have their offices in Media City in Manchester, too.
4. ... Sheffield is too far away from Manchester to travel every day.
5. ... has to take a special course at college.
6. ... look at the national website for apprenticeships.

### 2 a)

1. ... the job and the company you apply for.
2. ... 8.8 seconds ...
3. ... their mission statement if it is online.
4. ... always put emphasis on how your skills fit in with the company.
5. ... look for personal drive and ambition.
6. ... participation in youth programmes, volunteering, passion projects, sport and social activities.

7. ... confidence and resilience, presenting skills, the ability to work effectively in teams or to lead teams.
8. ... bad grammar, spelling mistakes and poor formatting.
9. ... take advantage of simple online templates.
10. ... should be professional but more importantly be yourself.

## 2 b)

- |                 |                               |
|-----------------|-------------------------------|
| 1. to showcase  | 6. ambition                   |
| 2. achievements | 7. experience                 |
| 3. unique       | 8. extracurricular activities |
| 4. to review    | 9. volunteering               |
| 5. skills       | 10. enthusiasm                |

## 2 c)

1. It is important because it presents years of education and results someone has already achieved. Furthermore it needs to attract attention quickly so that the employers go on reading the CV. Another reason is that the job market today is very competitive.
2. The author gives eight tips on how to write a CV. First he says that you need to research the company thoroughly. Second, he points out to show numbers and statistics because they can be quickly read by the employers. Third, you should add personality to your CV so that you stand out from rival applicants. Another tip given by the author is to try to offer more than your academic performance and add life experiences as well as extracurricular activities. The next tip is to add personal skills you have gained during your school life. Of course, it is also important to check the language of the CV. The author says you should not only copy the language used in the job description but also watch out for mistakes in your CV. The seventh tip is to check the format of the CV and if you are not able to create your own format you should use a template. Last but not least, he emphasizes to always be yourself.
3. It is important because the job market is highly competitive nowadays so applicants need to stand out from rival applicants. Moreover, the study by NCS shows that many employers reject CVs without experiences made outside school. Additionally, employers look for candidates who go well together with the company culture and the team.

## 2 d)

In the newspaper comment "School-leavers and graduates: how to write your first CV" written by Piers Linney and published in *The Guardian* on 4 February 2015, the author gives advice to school-leavers on what to do when writing their first CV.

First the author points out that it is important to put some effort into writing a CV because it has to catch and keep the employer's attention so that he or she will go on reading. Then the author gives eight tips on how to write a CV. First he says that you need to research the company thoroughly. Second, he suggests including numbers and statistics, if possible, because these can be quickly read by employers. Third, you should add some personality to your CV so that you stand out from other applicants. Another tip given by the author is to try to include more than your academic performance: life experiences as well as extracurricular activities are important, too. The next tip is to add personal

skills you have gained during your school time. Of course, it is also important to check the language of the CV and check for mistakes. The seventh tip is to check the format of the CV. If you are not able to create your own format you should use a template.

In his last paragraph the author encourages readers not to be afraid when writing a CV. If you are invited to an interview you should be yourself, show enthusiasm and your willingness to learn.

## 3

In diesem Artikel aus dem *Guardian* fragt die Autorin nach der Zukunft der Arbeitswelt im Jahre 2050.

Da traditionelle Arbeitsplätze immer weiter automatisiert oder sogar ersetzt werden, werden die Menschen flexibel und anpassungsfähig sein müssen. Es wird wahrscheinlich keine Arbeitsplätze für das ganze Leben mehr geben, sondern die Menschen werden immer wieder bereit sein müssen, Neues zu lernen und sich den veränderten Bedingungen anzupassen, da es ständig neue Arbeitsfelder geben wird. Dies bedeutet, dass sich sowohl Unternehmen als auch Schulen auf den technologischen Fortschritt einstellen müssen.

Ein Experte befürchtet, dass es zu einer Spaltung des Arbeitsmarktes kommen wird. Auf der einen Seite wird es hoch spezialisierte Berufe für qualifizierte Arbeitskräfte geben, auf der anderen Seite werden Arbeitsplätze wegrationalisiert, was möglicherweise hohe Arbeitslosigkeit nach sich ziehen wird.

## 4

The author writes about the future of production processes. Production will become faster, more flexible and more efficient. Equipment, machinery and sensors will be able to communicate and exchange information worldwide. Products will be developed and tested virtually before they are produced in factories. Production facilities will become autonomous, and information technology, telecommunications and manufacturing will merge. The machines in the factories of the future will probably organize themselves although human workers will still be essential as creative sources. Some of the future technologies already exist and productivity is eight times higher than it was twenty years ago.

## 5

The illustration shows how the car production process works. First of all the new car is designed and its technical data is developed in the engineering department. This part of the process is mostly done on the computer. The actual production process starts in the car factory when the body parts are welded together by robots. Then the body of each car is sprayed, again by robots, and dried. Afterwards the rest of the parts are fitted onto the cars. Then the cars are checked and stored.

## 6

The cartoon shows two men standing in front of some big tanks which are connected by pipes. They seem to be in some type of factory, possibly a chemical factory. The man on the left is wearing coveralls and a safety helmet. He may be the foreman. On the right we can see a man who has obviously just got up. He is wearing pyjamas and is holding a teddy bear in his left hand. The man seems to be too tired to start work.

According to the caption the early shift seems to be too early for the employee.

The cartoonist refers to the fact that in many factories people have to work three shifts. Working the early or the night shift can be hard because it affects people's biorhythm and may even damage their health.

Of course, the cartoonist exaggerates because normally nobody would come to work in their pyjamas but in this way he or she illustrates his or her message perfectly.

## 7

Freie Übung

## Unit 12

Seite 90

### 1

1. Now at the age of 19 Christina has reduced her TV viewing to two hours a day in the evenings. She spends most of her time on social networking sites or watching videos on the Internet.
2. Mark's TV habits are similar to Christina's. However, he watches about 6 to 7 hours of sports programmes a week, plays online games with friends and watches his favourite series online.
3. Christina thinks that the media often show young women who look like models or pop stars.
4. Often the media show drinking alcohol as something "cool". Christina thinks that as a result many teenagers who want to be cool drink too much and can end up binge-drinking.
5. Mark thinks that the media show too much violence. As a consequence he thinks that some teenagers can have a strange view of reality. They think violent behaviour is normal and they may become violent themselves.
6. Mark thinks that it is very important to teach teenagers how to deal with media and social networking websites. He also suggests some sort of control on what can be sent via these media.

### 2 a)

- |             |          |          |          |
|-------------|----------|----------|----------|
| 1. a) true  | b) false | c) true  | d) true  |
| 2. a) true  | b) false | c) false | d) false |
| 3. a) false | b) true  | c) true  | d) false |
| 4. a) false | b) true  | c) false | d) true  |
| 5. a) true  | b) false | c) true  | d) true  |

### 2 b)

- |                |                     |
|----------------|---------------------|
| 1. habit       | 5. to switch off    |
| 2. alert       | 6. sunset           |
| 3. adolescence | 7. 24/7             |
| 4. onset       | 8. to underestimate |

### 2 c)

1. The researchers asked more than 460 teenagers about their usual media routines as well as their use of social networking sites at night. The teenagers were also questioned about their sleep quality, their self-esteem, feelings of anxiety and depression, their emotional investment in social media and the pressure to constantly being available.

2. The researchers found out that the total use of social media and especially the night-time use affect the quality of sleep. Moreover, they found out that children at the age of 11 were using social networking sites very often. Another aspect they noted is that some children use several digital devices at the same time. There is also evidence poor sleep quality can be related to use of media at night.
3. Cleland Woods from Glasgow University points out that there is growing evidence that social media use and the health of teenagers are connected though the causes are not known so far. So poor sleep quality can contribute to mental health problems.
4. The study suggests that girls turn to social media when they are afraid and upset. The researchers found out that 90 percent of teenage girls have encountered stress. From those girls 70 percent even show symptoms of illnesses that can be related to stress. Girls more often turn to social media when they want to talk instead of turning to their parents. Additionally, girls experience stress more often than boys. The three main reasons why girls feel stressed are bad exam results, an increasing worry to make important decisions in life and fights with friends.

### 2 d)

The newspaper report "Teens' night-time use of social media 'risks harming mental health'" written by Sally Weale and published in *The Guardian* on 11 September 2015 deals with the consequences for teenagers of using social media at night. Researchers at Glasgow University have found that the total use of social media, and especially its night-time use, affect the quality of sleep. The author quotes Dr Cleland Woods, who carried out the study, several times. Dr Cleland Woods points out that adolescence is usually a period in which teenagers are much more vulnerable to depression and that poor sleep quality can contribute to mental health problems. However, the study suggests that although there is growing evidence that social media use and the health of teenagers are connected the causes are not known so far.

Dr Cleland Woods recommends switching off all digital devices before going to bed.

The author refers to another study of teenage stress. *The National Citizen's Service* youth programme suggests that girls often turn to social media instead their parents when they want to talk about their problems. Furthermore, girls experience stress more often than boys. The three main reasons why girls feel stressed are exam results, worries about important decisions in life and arguments with friends.

The author closes her report by quoting Lucy Russell from the youth mental health charity *Young Minds*. Ms Russell thinks that teenagers experience increasing stress levels as social media have made their lives more complex and their future lives more uncertain. This is why Ms Russell thinks that we need to prepare teenagers to deal with these pressures.

### 3

Laut eines Berichts der *Vereinten Nationen* haben Milliarden Menschen in den Entwicklungsländern keinen Zugang zum Internet. Dieser Bericht wurde im Vorfeld des *UN-Gipfels* in New York veröffentlicht. Auf diesem soll die *Agenda 2030* verabschiedet werden, die ausdrücklich betont, dass der Zugang zum Internet als Entwicklungshilfe dienen kann. Mehr als 50% der Weltbevölkerung kann die großen ökonomischen und sozialen Vorteile des Internets nicht nutzen.



Die Agenda erkennt die Notwendigkeit, die digitale Kluft zu überwinden, um überall auf der Welt Wissensgesellschaften zu entwickeln, so der Generaldirektor der *Vereinten Nationen*. Es erfordert große Anstrengungen der Regierungen und anderer Beteiligten, den Zugang zum Internet vor allem in den Entwicklungsländern zu ermöglichen, da insbesondere in den am wenigsten entwickelten Ländern über 90% der Menschen keinen derartigen Zugang besitzen und deshalb auch ihre persönlichen Fähigkeiten und Möglichkeiten bisher nicht entsprechend entwickeln können.

#### 4

The author writes about the difficulties of transferring data from an old mobile phone to a new one. This transfer is particularly difficult if the data is only stored locally or if the new phone has a different operating system to the old one. If you use a cloud service to store data, it is easy to download it onto your new phone but using a cloud service could put data at risk.

If you log in to your old account, the apps that were installed on your old phone can also be used on your new phone. However, if your new phone has a different operating system, you will have to buy these apps again.

#### 5

The illustration shows how a local area network (LAN) works and it includes WLAN (WiFi) functions. A modem and router are connected to the Internet by cable. The router transmits signals by network cable to a PC and by wireless network to other appliances, such as a printer and a camera, both of which are on the ground floor of the building. A repeater on the second floor boosts the signal coming from the router. In this way other appliances such as a TV, a game console, a laptop and a smartphone can receive and send data. If you have the appropriate apps, you can even control the camera at your front door or the TV on your smartphone.

#### 6

The diagram shows both the world population and the populations on the different continents in millions. It also shows the percentage of Internet users worldwide and on each continent. Half of the world population of 7.5 billion have Internet access but of course, the figures vary when you have a closer look at the continents. North America, where more than 88 percent of the population have Internet access, is in the lead whereas Europe (77.4%) comes second. The lowest percentage of Internet users can be found in Africa (28.3%). The continent with the highest population is Asia (4.1 billion) but only 45.2 percent have Internet access, which is the second lowest figure. Internet access in Australia, Latin America / the Caribbean and the Middle East ranges from 68.1 to 56.7 percent.

#### 7

Freie Aufgabe

## Unit 13

Seite 96

### 1

1. Professor Emily Hamilton, a research scientist in the field of bioengineering  
Mike Rogers, host of the morning show, "Milestones in medicine", at *Radio Seven*.
2. patients who suffer from organ failure or whose organs are damaged or sick
3. Patients wouldn't have to wait for an organ to be donated; the organ can be produced as needed  
By using the patient's own cells, it is more likely that the body will accept the new organ.
4. The proper form and the proper function of the organ are still challenges.
5. Increasing the length of time a patient lives; improving the patient's quality of life

### 2 a)

1. a) false – anything but healthy  
b) true  
c) true
2. a) true  
b) false – harvests are even better  
c) true
3. a) false – little known, need to slow down  
b) true  
c) false – the USDA will conduct a thorough environmental review

### 2 b)

1. fries – headline
2. fuss – headline
3. gene – line 7
4. to sign – line 9
5. to brand – 4. Abschnitt 1. Zeile
6. unmarketable – 4. Abschnitt 4. Zeile ungefähr
7. carcinogen – 4. Abschnitt 7. Zeile
8. layman – drittletzter Abschnitt 2. Zeile

### 2 c)

1. not healthy, manipulating the genes can change other characteristics of the potato, technology not regulated enough, consumers are badly informed as GMO potatoes are not labelled
2. bigger harvests, no need to dispose of part of the harvest because of plant diseases, potatoes healthier and better for the environment
3. Consumers cannot judge whose arguments in the GMO debate are correct so the question is who they can trust more: The industry that seems to be self-interested or the environmental groups that seem to protect the consumers' interests.

### 2 d)

The article published in *The Guardian* deals with the dispute over the introduction of GMO potatoes in the United States. Many activists from various environmental and consumer protection organizations oppose the introduction of GMO potatoes. They are supported by thousands of people. The producer of GMO potatoes, mentioned in the article,

argues that genetic engineering has many environmental and health benefits as GMO technology could lead to bigger harvests and GMO potatoes would be safer than conventional potatoes when fried.

Critics believe that the new technology, used to produce the GMO potatoes, is not really understood by today's scientists and that there has been no independent research done into this matter. On the other hand, the producer of GMO potatoes claims that the *United States Department of Agriculture* is going to deliver a review and that their own tests have proven that their potatoes are safe.

The author believes that it is difficult to decide who is right or wrong even if you are well informed. Anti-GMO activists seem to represent the consumers' interests while companies that use GMO technology pursue their own goals. Moreover, many people do not trust official statements. Finally, the author points out that although Americans eat GMO food every day no negative health effects have been documented so far.

### 3

Immer mehr amerikanische Nahrungsmittelproduzenten ergänzen die Deklaration der Inhaltsstoffe auf den Verpackungen durch den Zusatz, dass sich genmanipulierte Inhaltsstoffe in den Nahrungsmitteln befinden. Dieser Schritt ist die Folge eines neuen Gesetzes in Vermont, einem Staat in den USA, der diese Deklaration vorschreibt. 70 bis 80 Prozent der verpackten Lebensmittel in den USA enthalten genmanipulierte Inhaltsstoffe. Dort ist die Gentechnologie insbesondere bei Mais, Soja und Baumwolle verbreitet, da die Produktion billiger ist und dadurch die Preise niedrig gehalten werden können. Bisher haben sich die großen Nahrungsmittelproduzenten gegen die verpflichtende Deklaration von genmanipulierten Inhaltsstoffen gewehrt, da sie befürchteten, dass Verbraucher solche Nahrungsmittel für unnatürlich und ungesund halten könnten und abgeschreckt würden. Nach Ansicht einer Professorin der *Columbia Business School* wird der Trend zu gesünderen Nahrungsmitteln einen Teil der Verbraucher davon abhalten, genmanipulierte Produkte zu kaufen.

### 4

The article published by the German consumer protection agency deals with GMO food. Although most consumers in Germany do not want GMO food, they are often not able to recognize when and how much GMO is actually in food, due to insufficient consumer protection laws. If GMO crops are used in animal feed, the meat, eggs or milk do not need to be labelled as GMO food. As three-quarters of the world soy production is genetically modified, European animal feed usually contains GMO soy. Nowadays, even food that is produced conventionally contains traces of GMO organisms. Consumers are not aware of this because contamination by GMO plants only has to be labelled when it exceeds 0.9 percent.

### 5

The cartoon shows a situation in a laboratory. An abnormally big carrot, which looks very angry, has grabbed a scientist by the scruff of the neck and is lifting him up off the floor. According to the thought bubble the scientist has just realized that he must stop GM research. He is still holding a clipboard in his right hand but has already dropped his notes on the floor.

I think the cartoonist wants to point out that nature will strike back some day and will force scientists to stop genetic manipulation.

### 6

The diagram shows the top ten countries that produce genetically modified crops. GMO crops are mostly grown in North and South America and in Asia. The leading producer of GMO crops is the USA, which grows 70.9 million hectares of GMO crops. In second and third place come Brazil and Argentina with 44.2 and 24.5 million hectares respectively. As the leading Asian producers, India and China only use 11.6 and 3.7 million hectares of land for GMO crops. South Africa is in ninth place with 2.3 million hectares and it is the only country in the top ten that is not situated on either the American or Asian continents.

### 7

Freie Aufgabe

## Unit 14

Seite 102

### 1 a)

1. It is developing transparent solar cells.
2. The extremely thin solar cells transmit light that is invisible to the human eye and at the same time the cells convert ultraviolet light into electricity.
3. In future the transparent solar cells will extend the battery life of electronic devices considerably. Moreover, the solar cell may be used as the sole energy source for portable electronic devices. The company hopes that the transparent solar cells can be used in windows to generate solar energy to supply appliances in the house.
4. John Skinner says that every year 22,000 tonnes of household batteries end up on landfill sites every year and only about 10% of the household batteries are recycled.
5. *RecycleMore* is working on a battery made of a wood-based substance called aerogel. According to Skinner their product is 100% recyclable compared to conventional batteries which are only made of about 4% recyclable parts. *RecycleMore's* product is more environmentally friendly.

### 1 b)

1. suffers from asthma and she hates breathing in traffic fumes.
2. develop bad habits, e.g. dropping their rubbish or spitting out their chewing gum on the street.
3. the constant pushing and jostling in public transport and also on escalators, in shops and cafés.
4. the number 14 bus / Northern Line underground train to Kings Cross.
5. his workplace has shifted from a small town just outside London to Oxford Street in the centre of London.
6. take medicine to combat his stress-related heart problems.

### 2 a)

1. a) true  
b) false: Today we do the jobs of 10 different people.

2. a) false: We use them all the time, cramming everything we do into every single spare moment of downtime.  
b) true
3. a) true  
b) true
4. a) true  
b) false: Makes us demonstrably less efficient.  
c) true  
d) false: increases
5. a) false: Were wired to a wall.  
b) true
6. a) false: Can reduce your effective IQ by 10 points.  
b) false: Learning information while multitasking causes the new information to go to the wrong part of the brain.  
c) false: If students watch TV and learn at the same time, the information is not correctly stored.

**2 b)**

- |                 |              |
|-----------------|--------------|
| 1. advanced     | 6. illusion  |
| 2. mania        | 7. efficient |
| 3. downtime     | 8. increase  |
| 4. friends      | 9. mental    |
| 5. multitasking | 10. implicit |

**2 c)**

1. First, today we have to deal with an information overload and this is exhausting for our brains. Second, our brains have to deal with more tasks than in the past, because we do tasks ourselves which in the past were done by people who professionally learned these jobs.
2. The Swiss army knife is full of an array of practical functions as is our smartphone today. The author compares our smartphones to the Swiss army knives because he wants to point out that you can do almost anything with a smartphone today.
3. Earl Miller points out that our brains are not able to do multitasking. Usually, people think they are multitasking but they are rather quickly switching from one task to another.
4. People are less efficient; it can lead to mental fog and scrambled thinking; it can reduce your effective IQ by 10 points; information is stored in the wrong part of the brain and so cannot be categorised accordingly.

**2 d)**

The newspaper comment "Why the modern world is bad for your brain" written by Daniel J. Levitin and published in *The Observer* on 18 January 2015 informs readers of the effects of modern media on our brains.

First the author points out that because we are exposed to so much information it is difficult for our brains to decide whether information is important or not. And nowadays we are doing the jobs of 10 other people.

Smartphones are also an enormous challenge to our brains. Equipped with a huge number of applications smartphones are in use 24/7.

The author goes on to explain the problem of information overload on our brains. According to studies the problem is that our brains are not made for multitasking. We think that we are doing several tasks at the same time but in fact we are

only switching between several tasks very quickly. And this makes us inefficient.

Another problem is that we are supposed to be accessible 24/7 because of our smartphones and email accounts. In the past when telephones were wired to the wall people were not expected to be accessible all of the time.

As a consequence of multitasking and of being constantly side-tracked by emails and short messages we cannot work efficiently anymore. Multitasking can also lead to a reduction in our IQs and to information being stored in the wrong part of our brains.

The author concludes his comment by saying that the immediacy of email makes us write down and send off any little piece of information even if it is not really important.

**3**

Sehr geehrter Herr XY,

ich wende mich an Sie, um Ihnen deutlich zu machen, welche Gesundheitsrisiken das Leben in Großstädten mit sich bringt, und um Vorschläge zu machen, die die Lebensqualität in unserer Stadt verbessern könnten.

Es ist erwiesen, dass einerseits die Luftverschmutzung in Großstädten immer weiter zunimmt und andererseits auch unsere Lebensführung immer ungesünder wird. Die Folgen sind nicht nur Erkrankungen der Luftwege, sondern auch Übergewicht und Diabetes.

Aus diesem Grund wäre es ratsam, dass wir Projekte von Städten, die mit gutem Beispiel vorangehen, auch in unserer Stadt umsetzen.

Kopenhagen hat beispielsweise eine ausgeprägte Radfahrer- und Fußgängerkultur entwickelt, Sydney hat die Anzahl sportlicher Einrichtungen erhöht und Singapur hat durch den Einsatz moderner Technologien den städtischen Raum abgasärmer und nachhaltiger gemacht. Selbst Tokyo, eine der weltgrößten Städte, hält die Emissionen relativ niedrig, weil die Stadt eines der besten öffentlichen Transportsysteme hat. Und im extrem dicht besiedelten Hongkong gehen viele Menschen zu Fuß.

Ich würde mich freuen, wenn auch unsere Stadt mit gutem Beispiel vorangehen könnte.

Mit freundlichen Grüßen

XY

**4**

In her article "Autofreie Städte? Wunderbar!" Emilia Smeschowski explains the opinions of some public figures who were asked their opinions on the introduction of car-free zones in their towns and cities. She quotes a racing driver who is also the mother of three children. This person is against the introduction of car-free zones in cities as she feels that people with children need the mobility that their cars offer. On the other hand two other public figures support the idea of car-free zones in cities. A famous Austrian cook thinks it would make people healthier as they would walk more and the quality of life in car-free cities is much better. A member of the Green Party points out that his party has supported this idea since the early 1980s. He criticises the German government for its failure to come up with a reasonable concept for car-free zones.

## 5

In the cartoon you can see two older women walking along the pavement. One of the women says "Isn't it nice to see children cycling to school?" In the background you can see a child cycling to school across the roofs of cars which are stuck in a traffic jam. The cartoonist is trying to show us in a humorous way that the women's nostalgic ideas stand in stark contrast to the dangers that children face when they ride their bikes to school.

## 6

From the results of the questionnaires we learn that over half of the people interviewed have not really considered buying an electric car and that no-one involved in the survey actually owns one. When asked why they wouldn't buy an electric vehicle, over a third of the people interviewed said that recharging it was the biggest problem they would face. Similarly over a third of the people interviewed said that the distance they could travel on one charge was too short. Another reason not to buy an electric vehicle that was given by just under a third of interviewees was the cost.

## 7

Freie Übung

## Unit 15

Seite 108

### 1

1. have access to cheap flights and accommodation thanks to digital technology.
2. tourists are brought into contact with children who are in danger of becoming victims of crimes such as child trafficking.
3. long hours and sometimes in dangerous conditions.
4. recognize and respond to cases of child exploitation.
5. work in the construction of new hotels or in building roads to improve the infrastructure for tourism.

### 2 a)

- |             |          |          |          |
|-------------|----------|----------|----------|
| 1. a) false | b) true  | c) true  | d) false |
| 2. a) true  | b) false | c) true  | d) false |
| 3. a) false | b) true  | c) true  | d) true  |
| 4. a) true  | b) true  | c) false | d) false |

### 2 b)

- |                    |               |
|--------------------|---------------|
| 1. garment factory | 6. monitoring |
| 2. progress        | 7. retailer   |
| 3. to contribute   | 8. commitment |
| 4. compensation    | 9. union      |
| 5. keep pace       | 10. funding   |

### 2 c)

1. On 24 April 2013 the collapse of Rana Plaza, a huge textile factory in Dhaka, killed more than 1,000 people because the building was poorly constructed.
2. As a consequence of the tragedy in Dhaka they took action on several levels. First, many global clothing brands paid compensation to the victims and their families. Second,

Dhaka's permitting offices have controlled three-quarters of Bangladesh's garment factories for safety. As a consequence they had to close 35 factories because they were not safe and the remaining factories have to be remediated. Several international brands and retailers support this process on the one hand by financially helping with remediation and on the other hand by working hand in hand with government agencies and non-governmental organisations.

3. Bangladesh's director for the International Labour Organization Reddy says that in the future they need to concentrate on how to continue those developments. First he says that they need qualified monitoring staff: people need to be trained and more monitoring staff needs to be employed. He goes on that permitting offices must not be allowed to permit the construction of factory buildings and then not monitor them. Moreover, he points out that there has been made progress on worker rights issues but workers still do not have the chance to express concerns about safety issues. He calls for the establishment of worker safety committees.
4. According to Reddy the attention that resulted from the catastrophe of Rana Plaza has been good for Bangladesh's garment industry because it has started up global brands to finally take an interest in the country's textile industry. Several brands have started to improve working conditions as well as to fund improvements concerning the construction of buildings. However, he thinks that the attention has also put pressure on the textile industry in Bangladesh to fix problems in a very short period.

### 2 d)

The newspaper report "Two years after Rana Plaza, have conditions improved in Bangladesh's factories?" written by Amy Westervelt and published in *The Guardian* on 24 April 2015 deals with the consequences of the collapse of a huge garment factory in Bangladesh where more than 1,000 people were killed.

The author examines what has been done two years after the catastrophe.

First, the author informs readers that many global clothing brands have already paid compensation to the victims and their families. Second, she points out that out of over 3,500 factories which are exporting clothing from Bangladesh the Bangladeshi authorities have closed 35 because they were not safe. The rest had to be renovated. According to the author several international brands and retailers support this process by helping to finance factory renovations. They are also working hand in hand with government agencies and non-governmental organizations to improve conditions for factory workers.

According to the director for the *International Labour Organization*, the attention that resulted from the catastrophe has been good for Bangladesh's garment industry because several brands have started to improve working conditions as well as to fund improvements to buildings.

However, the director also states that in the future they need to concentrate on ways of continuing these developments. There is a need for more qualified monitoring staff and the authorities must not permit the construction of factory buildings and then not monitor them. In addition workers need a forum to express concerns about safety issues. This means more worker safety committees will have to be established.



At the end of the article, the author makes it clear that the attention following the catastrophe has put pressure on the textile industry in Bangladesh to fix problems in a very short period of time but there is still a lot that needs to be done.

### 3

Der Autor des Artikels im *Guardian* hat fünf Wochen lang verdeckt als Hilfskellner die Arbeitsbedingungen auf einem internationalen Kreuzfahrtschiff erforscht. Laut seinem Vertrag hätte er sechs Monate lang ohne einen einzigen freien Tag 70 Stunden in der Woche arbeiten und dazu zusätzlich in seiner Freizeit ein intensives Training absolvieren müssen. Sein Basishonorar betrug 31 Pfund im Monat, die Schifffahrtsgesellschaft garantierte ihm jedoch einen Monatslohn von 466 Pfund, wenn er inklusive Trinkgeld diese Summe nicht erreichte.

Den meisten Kollegen auf dem Schiff ging es jedoch erheblich schlechter, insbesondere denen, die in Bereichen arbeiten, wo es keine Trinkgelder gibt. Oft arbeiteten sie über ihre 10-Stunden-Schicht hinaus noch zusätzlich in anderen Bereichen. Die Kollegen mit den schlechtesten Arbeitsbedingungen kommen in der Regel aus Asien oder Lateinamerika. Solche Arbeitsbedingungen sind möglich, da das Schiff mit über 4.000 britischen Urlaubern nicht den britischen Arbeitsbestimmungen unterliegt, weil es unter anderer Flagge fährt. Auf diese Weise werden Arbeitskräfte auf der ganzen Welt gesucht, die solch schlechte Bedingungen und Bezahlung akzeptieren. Der Autor war deshalb der einzige Engländer unter den Arbeitskräften an Bord. Für die Arbeitskräfte aus den armen Ländern ist es trotz der schlechten Bedingungen oft die einzige Möglichkeit, eine Arbeit zu finden und ihre Familien zu ernähren.

### 4

The German consumer protection agency has published an article about the production of toys. 80% of the toys sold in Germany are produced in China. Customers are not aware of this because toys need not be labelled. In the last fifteen years many European manufacturers have moved production to China. Working hours, working conditions and wages are extremely bad in China compared to European standards. Moreover, many plastic toys contain plasticizers / softening agents which are found in house dust and can have negative effects on children's health. They can harm the children's liver or kidneys and German studies show contamination levels of children by plasticizers are too high. Most manufacturers use non-toxic ABS for the production of toys such as building blocks, figures or cars. Cheap toys, however, are sometimes made of PVC and can contain toxic substances.

### 5

The cartoon shows two children sitting in front of a decorated Christmas tree. They are just opening their presents. The child on the right is holding a toy, which looks like a big mouse or a rabbit, and he / she is reading the label. The caption reads: "Well, Santa may live at the North Pole, but these labels say his workshop is in China."

I think the author wants to point out that most products today are produced in Asian countries and that globalization has reached all parts of our lives, including Christmas.

The cartoon is funny because it refers to the young children's belief that Santa Claus lives at the North Pole and he brings the presents from there. But in modern times even Santa Claus has his presents produced in China or other Asian countries.

### 6

The diagram shows the development of car production in China from 2005 to 2016. The number of commercial vehicles rose and fell during this period but all in all it grew slowly from 2.63 million vehicles in 2005 to 3.7 million vehicles in 2016. The number of cars increased sharply and steadily between 2005 and 2016. In 2005 only 3.08 million cars were produced, only slightly more than the number of commercial vehicles produced in that year. In the following 10 years however, the number of cars produced rose to 24.42 million so that in 2016 more than six times more cars than commercial vehicles were made in China. This trend seems to illustrate the move to greater private car ownership and wealth within the Chinese economy. This development also shows why the Chinese car market has become so important to German car manufacturers.

### 7

Freie Aufgabe



# Workbook

## Freeway Ausgabe Technik

### Englisch für berufliche Schulen

Herausgeber: Wolfgang Rosenkranz  
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