

Scientist publishes “escape route” from global warming

Assignments (refer to Mock exam text 21)

Read the text carefully and answer the following questions using your own words. Do not quote the text!

Leistungsfach- und Grundfachanforderungen:

1. Describe the general meaning of the word “escape route” and why it is, according to Professor Crutzen, at first glance necessary to think of such a possibility for our environment? (Anforderungsstufe I/4)
2. Explain how this “escape route” could scientifically function and what exactly would have to be done by engineers? (Anforderungsstufe I/4)
3. Analyse why Professor Crutzen thinks that measures of “geo-engineering” are the only solution to the problem of global warming on a scientific basis? (Anforderungsstufe II/6)
4. What natural phenomenon related to “geo-engineering” does Professor Crutzen mention? Comment on the possibility that such an event could be man-made. (Anforderungsstufe II/6)

Nur Grundfachanforderungen:

5. Taking the high costs of the “escape route” into consideration, why does it seem nevertheless reasonable to put that kind of “geo-engineering” method into practice? Comment on possible dangers that could threaten our world if this method is not used. (Anforderungsstufe II/10)
6. The world seems to be in danger. Not only global warming will harm our environment. Name at least two other environmental dangers and comment on causes, consequences and possible solutions. Mention your own opinion on these problems. (Anforderungsstufe III /10)

Nur Leistungsfachanforderungen:

5. Global warming – a threat to the environment and the whole of mankind. Why is it very much talked about at the moment? Comment on the global aspect of this phenomenon and analyse why this problem can only be fought globally. (Anforderungsstufe II/10)
6. Professor Crutzen paints a very negative picture of the global environmental situation. Little is done to prevent the worst.
Write a letter to a UN environmental organization explaining the situation of the earth and stressing the urgent need for all governments of the world to prevent a disaster. Name reasons and consequences of global warming and other environmental problems and try to persuade the person you are writing to that something has to be done. Write at least 150 words. (Anforderungsstufe III/10)