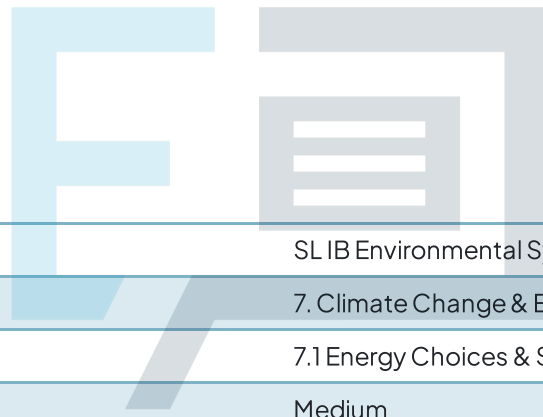




# 7.1 Energy Choices & Security

## Question Paper



Course	SL IB Environmental Systems & Societies (ESS)
Section	7. Climate Change & Energy Production
Topic	7.1 Energy Choices & Security
Difficulty	Medium

# Exam Papers Practice

To be used by all students preparing for  
SL IB Environmental Systems & Societies (ESS)  
Students of other boards may also find this useful

### Question 1

One possible short term solution to the global energy crisis is to extract shale gas. Shale gas is natural gas trapped in the rocks underground. This gas can be extracted by a process called fracking. In places where fracking has been done, there is some evidence that it can cause minor earthquakes. Because shale gas is natural gas (methane), it is a fossil fuel.

Another possible solution is to build more nuclear power stations. Nuclear power stations use fission to generate electricity.

Evaluate the **two** solutions outlined above and give a conclusion.

[6 marks]



# Exam Papers Practice

### Question 2

The UK is starting to use wind turbines to generate more of its electrical energy.

Some people think this is a good idea, other people do not.

Suggest reasons why people think that building more wind turbines is a good idea.

[3 marks]

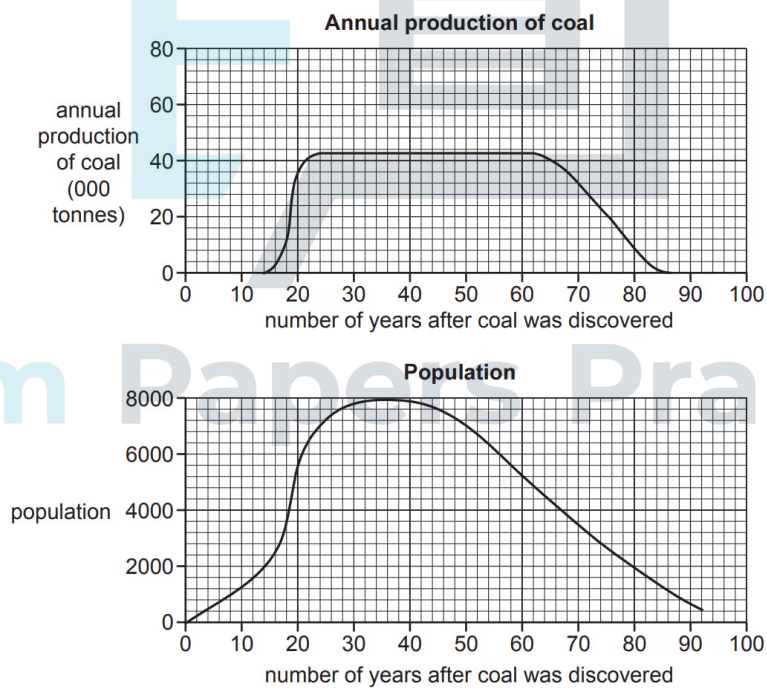
**Question 3**

Outline **three** disadvantages of wind energy.

[3 marks]

**Question 4**

The figure below shows information about changes over time in a coal mining settlement in Germany.



Explain why a country should **not** rely completely on fossil fuels as a source of energy.

[4 marks]