

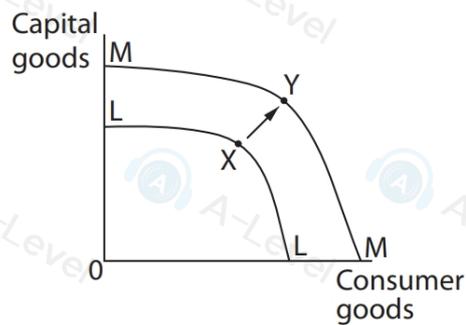
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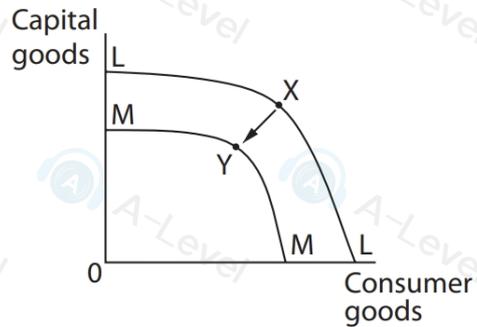
3 In April 2015 an earthquake in Nepal killed 8000 people. Assume the economy was operating efficiently at full employment.

Which **one** of the following diagrams best illustrates the impact of the earthquake on Nepal's economy assuming it continued to operate at full employment?

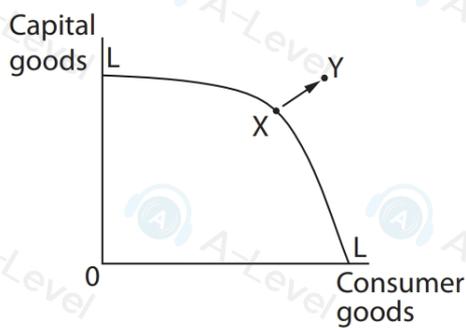
A



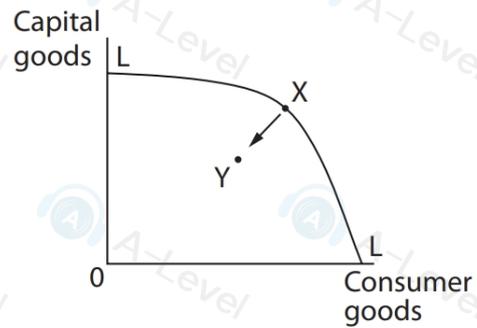
B



C

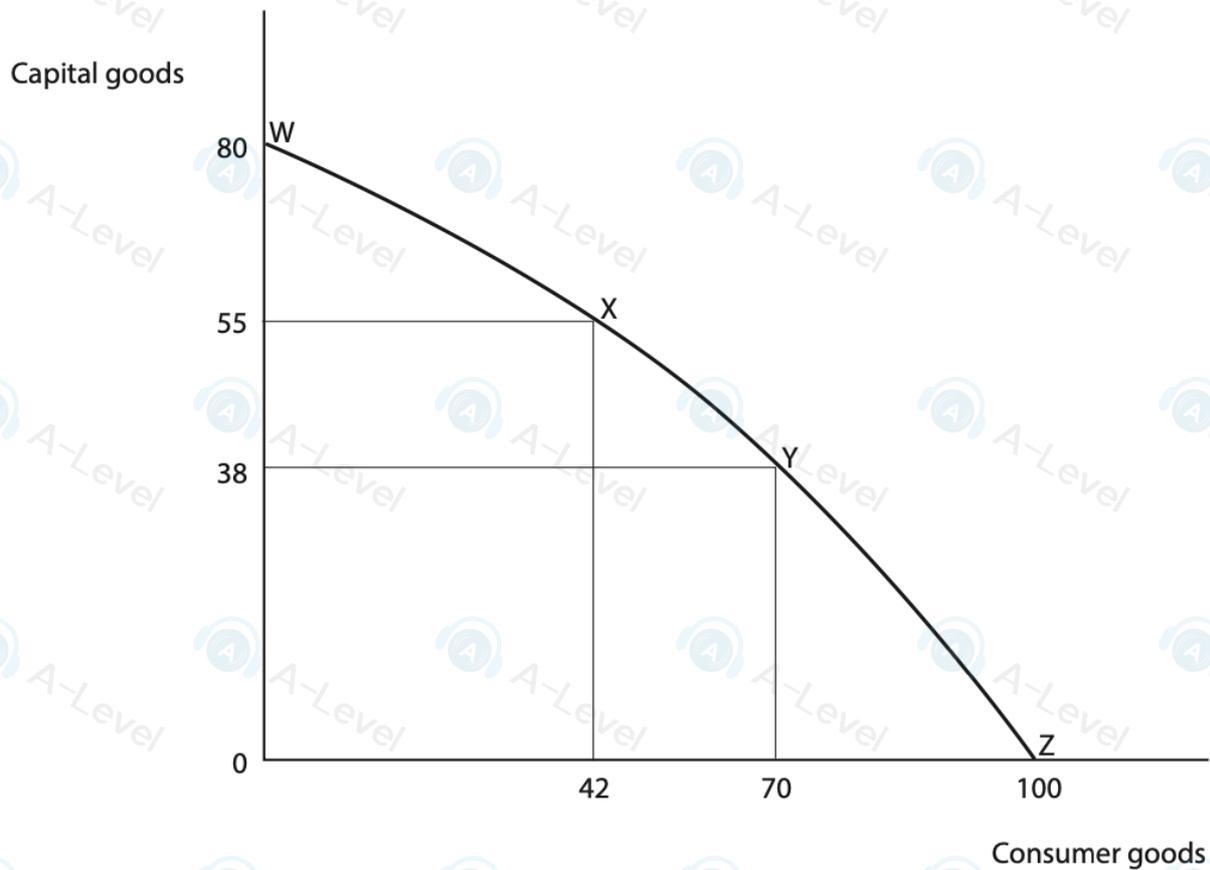


D



(Total for Question 3 = 1 mark)

4 The diagram shows the production possibilities for an economy.

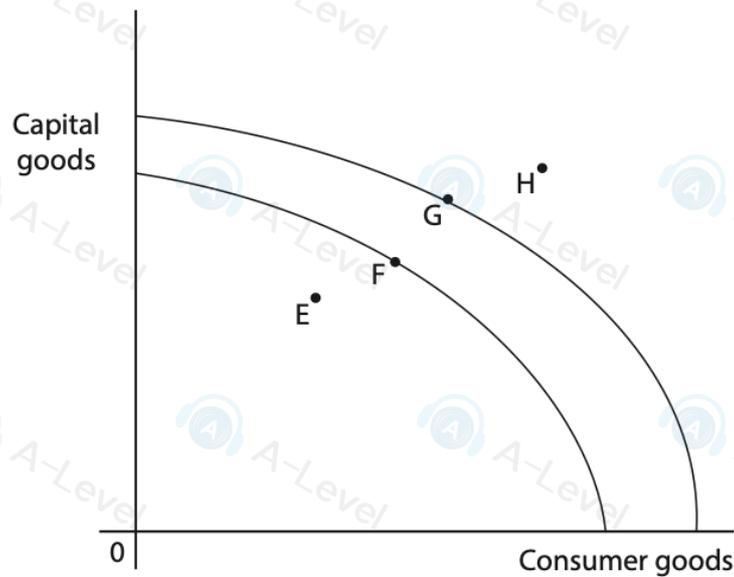


Which **one** of the following can be deduced from the diagram?

- A The movement from W to X has an opportunity cost of 42 consumer goods
- B The movement from Y to Z has an opportunity cost of 30 consumer goods
- C The movement from X to Y has an opportunity cost of 17 capital goods
- D The movement from Y to X has an opportunity cost of 28 capital goods

(Total for Question 4 = 1 mark)

5 The diagram shows two production possibility frontiers (PPFs) for an economy.



Which **one** of the following can be deduced from this diagram?

- A** A movement from Point E to Point F indicates an increase in unemployment
- B** A movement from Point G to Point F indicates that more consumer goods would be produced
- C** A movement from Point F to Point G indicates economic growth
- D** A movement from Point G to Point H indicates that resources are not being used efficiently

(Total for Question 5 = 1 mark)

- 5 The table shows the percentage of electricity generated by different sources for Portugal in 2016.

	%
Coal	22
Gas	22
Hydro	24
Oil	2
Solar	2
Wind	22
Other renewable	6

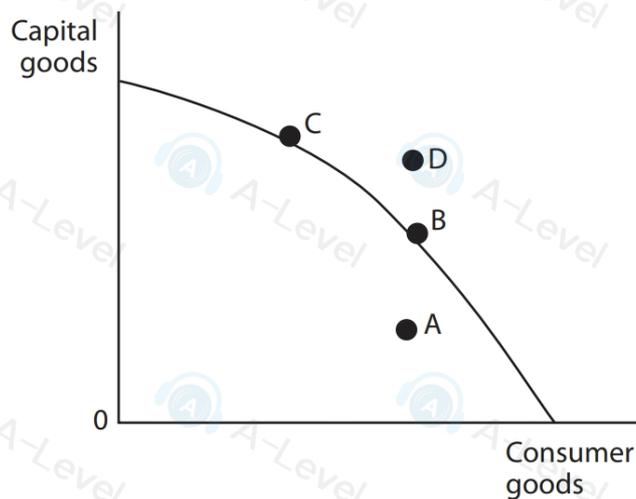
(Source: <https://www.iea.org/countries/Portugal/>)

Which **one** of the following can be deduced from the table?

- A Portugal generated 44% of its electricity from non-renewable sources
- B Portugal generated 50% of its electricity from renewable sources
- C Portugal generated most of its electricity from renewable sources
- D Portugal generated most of its electricity from non-renewable sources

(Total for Question 5 = 1 mark)

5 The diagram shows a production possibility frontier for an economy.



Which point on the diagram shows the position that will lead to the fastest rate of economic growth?

- A
- B
- C
- D

(Total for Question 5 = 1 mark)

2 The table shows the maximum production possibilities for a country in 2021 and 2022.

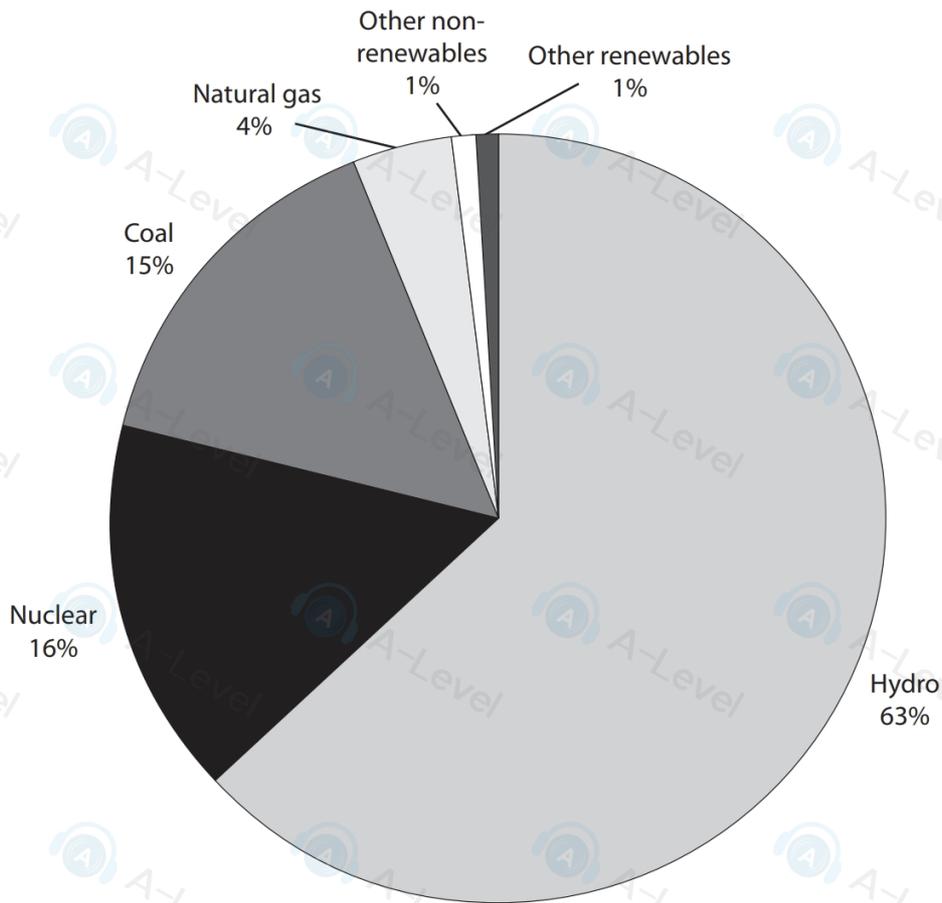
Year	Consumer goods	OR	Capital goods
2021	220	OR	105
2022	195	OR	96

Which **one** of the following might have caused this change in the country's production possibilities?

- A A natural disaster
- B A rise in the rate of unemployment
- C An improvement in technology
- D An increase in the number of immigrants

(Total for Question 2 = 1 mark)

8 The chart shows how Canada's total electricity supply was generated from different resources in 2015.



(Source: <http://www.theenergycollective.com/jarretadams1/2292773/canada-working-toward-decarbonizing-its-grid>)

With reference to Canada's electricity generation, explain the difference between 'renewable resources' and 'non-renewable resources'.

7 According to researchers, by 2030, Artificial Intelligence will potentially increase China's output by \$7 trillion.

Draw a diagram to illustrate the impact of Artificial Intelligence on China's production possibility frontier (PPF).

Include an arrow on your PPF diagram.

9 **Statement 1:** "Between 2009 and 2019 extreme weather events and climate-related disasters cost the world economy \$1.5 trillion." World Meteorological Organization.

Statement 2: "80% of those surveyed think polluters should pay for their pollution through additional taxes." Survey for the World Economic Forum.

With reference to both statements, explain the difference between normative statements and positive statements.

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8 Statement 1: Producers of renewable energy received subsidies of \$140 billion globally in 2016. Producers of non-renewable energy received subsidies of \$260 billion.

Statement 2: Subsidies for renewable energy should be increased and subsidies for non-renewable energy should be decreased.

With reference to Statement 1 and Statement 2, explain the difference between positive statements and normative statements.

7 In 2000 the population of Qatar was 592 267. By 2018 the population had increased to 2 694 849. Most of this growth was caused by immigration.

Draw a diagram to illustrate the impact of this change in Qatar's population on its production possibility frontier.

13 The table shows predictions about population change produced by the United Nations for selected countries.

Country	2021	2100
United Arab Emirates	9.4 million	14.1 million
Bolivia	12.1 million	18.8 million
Philippines	113.9 million	180.2 million

(Source: adapted from <https://ourworldindata.org/grapher/comparison-of-world-population-projections>)

Evaluate possible factors that could cause a rightward shift of a country's production possibility frontier.

Include at least one relevant diagram in your answer.

(Total for Question 13 = 20 marks)