ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY HIGHER · UNIT 8 · 10 QUESTIONS

Guiding Spaceship Earth towards a Sustainable Future — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button so it can be fixed.

1 **A river provides drinking water. Why must the water be treated before drinking?**

- A to heat it up
- B to make it taste better for drinking
- C to remove harmful substances
- D to add minerals

Understand It with Pulse | Flag a mistake

2 **A castle is built of limestone. What is limestone made of?**

- A magnesium oxide, a white powder
- B calcium sulfate, found in plaster
- C sodium chloride, common salt
- D calcium carbonate

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3 **A chocolate cake is made from flour, sugar and eggs. Which ingredient provides protein?**

- A eggs
- B water
- C sugar
- D flour

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4 **A cup of coffee cools down. Energy is transferred to the surroundings. What type of change is this?**

- A an energy transfer
- B a reversible reaction
- C a chemical change
- D a neutralisation

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5 **Fishing boats use diesel. What is diesel made from?**

- A water, from the sea
- B wood, cut from trees
- C crude oil
- D coal, mined from the ground

Understand It with Pulse | Flag a mistake

6 **A sailing ship uses the wind. What type of energy is wind?**

A thermal energy

B chemical energy

C kinetic energy

D potential energy

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7 **A cheese pizza is cooked in an oven. How is energy transferred in the oven?**

A by radiation and convection

B by condensation on the oven walls

C by conduction only, through the tray

D by evaporation from the cheese

Understand It with Pulse | Flag a mistake

8 **In fractional distillation, where do the smallest molecules come out?**

A in the middle

B at the top

C they do not come out

D at the bottom

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9 **Which energy resource is sustainable?**

A oil

B coal

C solar power

D natural gas

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10 **What is nuclear power fuelled by?**

A oil

B hydrogen

C coal

D uranium

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. D
3. A
4. A
5. C
6. C
7. A
8. B
9. C
10. D

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