ENGLAND GCSE DESIGN AND TECHNOLOGY AQA · UNIT 1 · 5 QUESTIONS

New Technologies, Energy and Materials — 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 desk lamp is made from aluminium. Is aluminium ferrous or non ferrous?**

- A Ferrous, because it holds iron
- B Non ferrous, because it holds iron
- C Non ferrous, because it holds no iron
- D Ferrous, because it holds no metal, in some situations

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2 **A heater rated at 1 kW runs for 4 hours. How much energy does it use?**

- A 3 kWh
- B 5 kWh
- C 4 kWh
- D 40 kWh

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3 **Where are thermochromic materials used?**

- A In strips that show temperature by changing colour
- B In ropes that lift heavy loads in a factory
- C In windows that never let any light through, in some situations
- D In tyres that grip the road in wet weather

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4 What is automation in the workplace?

A Workers carry out tasks with no machines at all

B Machines are switched off while workers rest

C Workers watch machines that never move

D Machines carry out tasks with little human help

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5 What is one benefit of wind power?

A Wind turbines need no land to stand on

B No fuel is burned while it generates electricity

C Wind power works even when the air is still

D Wind power stores electricity for many years, in some situations

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ANSWER KEY

1. C
2. C
3. A
4. D
5. B

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