ENGLAND GCSE DESIGN AND TECHNOLOGY OCR · UNIT 2 · 10 QUESTIONS

Wider Issues and Viability of Design Solutions — 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

An electric kettle is made in a factory powered by wind turbines. Why is wind power a renewable source?

A Wind works without any moving parts, in some situations

B Wind does not run out when it is used

C Wind is free to build anywhere

D Wind never changes in strength

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2 **A mobile phone contains metals mined in different countries. Why is the source of these metals an ethical issue?**

- A Mining makes phones cheaper for all
- B Mining removes the need for recycling, in some situations
- C Mining can fund conflict and harm workers
- D Mining always makes metals stronger

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3 **Why should designers think about where materials come from?**

- A Materials from far away are always stronger, in some situations
- B Local materials are always weaker
- C Mining and farming can harm people and places
- D Materials from far away are always cheaper

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4 **Why is renewable energy called renewable?**

- A It makes no sound when it runs
- B Its source does not run out when it is used
- C It works in all weather at all times, in some situations
- D It costs nothing to build

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5 **Why is fair trade an ethical issue in design?**

- A Designers must use the cheapest supplier
- B Designers choose suppliers whose workers are paid fairly
- C Designers must avoid all imported materials
- D Designers must sell only in their own country, in some situations

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6 **Why do unit costs often fall when more products are made?**

- A Fixed costs are shared over more units
- B Materials become stronger in large batches
- C Workers need less training
- D Products become larger in size

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

- A Sunlight
- B Wind
- C Coal
- D Uranium

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8 **What do the 6 Rs stand for in sustainable design?**

A Rethink, Refuse, Reduce, Reuse, Repair, Burn

B Rethink, Refuse, Reduce, Reuse, Repair, Recycle

C Rethink, Refuse, Reduce, Reuse, Repair, Replace

D Rethink, Refuse, Reduce, Reuse, Repair, Throw away

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9 **What is biomass energy?**

A Energy from the heat inside the Earth

B Energy from the pull of the Moon on the sea, in some situations

C Energy from burning plant and animal material

D Energy from burning coal dug from mines

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10 **What gas is released when fossil fuels are burned?**

A Carbon dioxide

B Oxygen

C Hydrogen, in some situations

D Nitrogen

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ANSWER KEY

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

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