ENGLAND GCSE PHYSICS AQA HIGHER · UNIT 2 · 10 QUESTIONS

Electricity — 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 to let Brett know so he can fix it.

1 **A wristwatch measures time. What is the unit of time?**

- A the minute
- B the day
- C the hour
- D the second

Understand It with Pulse | Flag a mistake

2 **A basketball is thrown up. What happens to its speed as it rises?**

- A it becomes zero
- B it stays the same
- C it decreases
- D it increases

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3 **What is the voltage of mains electricity in homes in the UK?**

A 400 V

B 110 V

C 230 V

D 12 V

Understand It with Pulse | Flag a mistake

4 **What is the voltage of UK mains electricity?**

A 400 V

B 230 V

C 12 V

D 110 V

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5 **For a fixed resistor at constant temperature, what is the current-voltage characteristic?**

- A a straight line through zero
- B a flat line at zero current
- C a curve that rises steeply then stops
- D a curve that flattens out

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6 **A component has a potential difference of 12 V across it and a current of 2 A through it. What is its resistance?**

- A 24 ohms
- B 6 ohms
- C 3 ohms
- D 12 ohms

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7 **A lamp runs at 24 V with a current of 2 A. What is its power?**

- A 96 W
- B 58 W
- C 24 W
- D 48 W

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8 **A guitar string is tightened. What happens to the pitch?**

- A it disappears
- B it stays the same
- C it falls
- D it rises

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9 **A current of 4 A flows for 20 seconds. How much charge flows?**

- **A** 160 C
- **B** 24 C
- **C** 40 C
- **D** 80 C

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10 **A current of 2 A flows for 30 seconds. How much charge flows?**

- **A** 60 C
- **B** 30 C
- **C** 70 C
- **D** 120 C

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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