ENGLAND GCSE PHYSICS OCR GATEWAY HIGHER · UNIT 3 · 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 calculator runs on a small current. What is current measured in?**

- A watts, the unit of power
- B amperes
- C volts, the unit of voltage
- D ohms, the unit of resistance

Understand It with Pulse | Flag a mistake

2 **Hardcover books are dropped. What happens to their speed as they fall?**

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

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3 **What colour is the live wire in a plug?**

- A red
- B blue
- C green and yellow
- D brown

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4 **A current of 5 A flows for 60 seconds. How much charge flows?**

- A 150 C
- B 65 C
- C 600 C
- D 300 C

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5 **A device works at 230 V with a current of 2 A. What is its power?**

- A 460 W
- B 470 W
- C 230 W
- D 920 W

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6 **A lamp runs at 6 V with a current of 2 A. What is its power?**

- A 6 W
- B 22 W
- C 12 W
- D 24 W

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7 **What is the same everywhere in a series circuit?**

A the resistance

B the current

C the potential difference

D the power

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8 **What is the unit of potential difference?**

A the ohm

B the watt

C the volt

D the amp

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9 **Why does the resistance of a filament lamp increase as the current increases?**

A the filament gets longer

B the filament gets hotter

C the filament gets colder

D the filament melts away

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10 **A guitar string vibrates to make a sound. What type of wave is the sound wave?**

A electromagnetic

B longitudinal

C standing

D transverse

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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