ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 25 · 10 QUESTIONS

Electricity and Circuits — 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 wristwatch is used to time a race. What is speed calculated from?**

- A distance and time
- B mass and time together
- C distance only, not time
- D time only, not distance

Understand It with Pulse | Flag a mistake

2 **A calculator is switched on. What does the battery transfer energy to?**

- A the circuits
- B the screen only
- C the case
- D the buttons only

Understand It with Pulse | Flag a mistake

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

- A standing
- B longitudinal
- C transverse
- D electromagnetic

Understand It with Pulse | Flag a mistake

4 **A current of 2 A flows for 20 seconds. How much charge flows?**

- A 80 C
- B 20 C
- C 50 C
- D 40 C

Understand It with Pulse | Flag a mistake

5 **A resistor has a potential difference of 12 V across it and a resistance of 2 ohms. What is the current?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A 240 C
- B 480 C
- C 120 C
- D 250 C

Understand It with Pulse | Flag a mistake

8 **A lamp runs at 12 V with a current of 3 A. What is its power?**

- A 36 W
- B 72 W
- C 46 W
- D 18 W

Understand It with Pulse | Flag a mistake

9 **A resistor has a potential difference of 12 V across it and a resistance of 4 ohms. What is the current?**

- A 6 A
- B 3 A
- C 1.5 A
- D 48 A

Understand It with Pulse | Flag a mistake

10 **What is the unit of resistance?**

- A the volt
- B the watt
- C the ohm
- D the amp

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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