ENGLAND GCSE PHYSICS AQA FOUNDATION · 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 guitar string vibrates to make a sound. What type of wave is the sound wave?**

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

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 buttons only
- D the case

Understand It with Pulse | Flag a mistake

3 **A diode is connected the wrong way round in a circuit. What current flows?**

- A a very large current
- B current in the opposite direction only
- C almost none
- D the same current as before

Understand It with Pulse | Flag a mistake

4 **A wristwatch ticks every second. How many ticks in a minute?**

- A 60
- B 100
- C 30
- D 12

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

6 **What colour is the neutral wire in a plug?**

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

Understand It with Pulse | Flag a mistake

7 **A component has a potential difference of 6 V across it and a current of 4 A through it. What is its resistance?**

- A 1.5 ohms
- B 24 ohms
- C 0.75 ohms
- D 3 ohms

Understand It with Pulse | Flag a mistake

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

- A 1150 W
- B 2300 W
- C 575 W
- D 1160 W

Understand It with Pulse | Flag a mistake

9 **Hardcover books have mass. What is mass measured in?**

- A joules
- B newtons, the unit of force
- C watts
- D kilograms

Understand It with Pulse | Flag a mistake

10 **A resistor has a potential difference of 6 V across it and a resistance of 2 ohms. What is the current?**

- A 3 A
- B 6 A
- C 12 A
- D 1.5 A

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.