ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY FOUNDATION · UNIT 19 · 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 so it can be fixed.

1 **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

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

A the circuits

B the buttons only

C the screen only

D the case

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3 **A resistor has a potential difference of 24 V across it and a resistance of 3 ohms. What is the current?**

A 72 A

B 16 A

C 4 A

D 8 A

Understand It with Pulse | Flag a mistake

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

A watts

B joules

C kilograms

D newtons, the unit of force

Understand It with Pulse | Flag a mistake

5 **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

6 **A basketball bounces. What type of energy is stored when the ball squashes?**

A elastic potential

B kinetic

C gravitational potential

D thermal

Understand It with Pulse | Flag a mistake

7 **A resistor has a potential difference of 24 V across it and a resistance of 4 ohms. What is the current?**

A 96 A

B 3 A

C 12 A

D 6 A

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8 **A device works at 6 V with a current of 2 A. What is its power?**

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

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9 **A current of 5 A flows for 30 seconds. How much charge flows?**

- A 35 C
- B 150 C
- C 300 C
- D 75 C

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10 **A component has a potential difference of 10 V across it and a current of 4 A through it. What is its resistance?**

- A 5 ohms
- B 2.5 ohms
- C 1.25 ohms
- D 40 ohms

Understand It with Pulse | Flag a mistake

## ANSWER KEY

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

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