ENGLAND GCSE COMBINED SCIENCE AQA TRILOGY HIGHER · 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 wristwatch measures time. What is the unit of time?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

3 **A current of 3 A flows for 10 seconds. How much charge flows?**

- A 60 C
- B 13 C
- C 15 C
- D 30 C

Understand It with Pulse | Flag a mistake

4 **A component has a potential difference of 20 V across it and a current of 4 A through it. What is its resistance?**

- A 2.5 ohms
- B 10 ohms
- C 5 ohms
- D 80 ohms

Understand It with Pulse | Flag a mistake

5 **A basketball is dropped. What energy store increases as it falls?**

A kinetic

B gravitational potential

C elastic

D thermal

Understand It with Pulse | Flag a mistake

6 **A guitar amplifier is connected to the mains. What is the voltage of the mains supply in the UK?**

A 110 V

B 50 V

C 230 V

D 12 V

Understand It with Pulse | Flag a mistake

7 **A device works at 12 V with a current of 5 A. What is its power?**

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

Understand It with Pulse | Flag a mistake

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

- A 40 C
- B 22 C
- C 20 C
- D 80 C

Understand It with Pulse | Flag a mistake

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

A red

B brown

C blue

D green and yellow

Understand It with Pulse | Flag a mistake

10 **A calculator uses a battery. What energy is stored in the battery?**

A thermal energy from heat

B light energy from the Sun

C kinetic energy of motion

D chemical energy

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.