ENGLAND GCSE PHYSICS EDEXCEL HIGHER · UNIT 10 · 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 to let Brett know so he can fix it.

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

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A 64 C
- B 240 C
- C 120 C
- D 480 C

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

5 **A wristwatch is used to time a race. What is speed calculated from?**

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

Understand It with Pulse | Flag a mistake

6 **A tennis ball bounces. What happens to its kinetic energy?**

- A some becomes heat
- B it becomes light energy
- C it all stays kinetic energy
- D it disappears completely

Understand It with Pulse | Flag a mistake

7 **A current of 3 A flows for 20 seconds. How much charge flows?**

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

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

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

- A 12 V
- B 230 V
- C 110 V
- D 50 V

Understand It with Pulse | Flag a mistake

10 **A lamp runs at 24 V with a current of 4 A. What is its power?**

- A 96 W
- B 192 W
- C 48 W
- D 106 W

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.