ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY HIGHER · UNIT 6 · 10 QUESTIONS

Interactions over Small and Large Distances — 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 yellow school bus stops at a station. What happens to its speed?**

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

Understand It with Pulse | Flag a mistake

2 **A rocket is pushed up by hot gases. What is the upward force called?**

A weight

B thrust

C drag

D lift

Understand It with Pulse | Flag a mistake

3 **What is the unit of frequency?**

A the hertz

B the second

C the joule

D the metre

Understand It with Pulse | Flag a mistake

4 **A resistor has a potential difference of 6 V across it and a resistance of 3 ohms. What is the current?**

- A 1 A
- B 18 A
- C 2 A
- D 4 A

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

6 **An object travels 200 m in 20 seconds. What is its speed?**

- A 4000 m/s
- B 5 m/s
- C 10 m/s
- D 20 m/s

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

8 **What happens to the total resistance when resistors are added in series?**

A it increases

B it decreases

C it stays the same

D it becomes zero

Understand It with Pulse | Flag a mistake

9 **A set square is used to measure an angle of reflection. What is the angle of incidence equal to?**

A zero

B half the angle of reflection

C the angle of reflection

D double the angle of reflection

Understand It with Pulse | Flag a mistake

10

A kite flies in the wind. Which force holds the kite up?

A weight

B thrust

C lift

D drag

Understand It with Pulse

Flag a mistake

ANSWER KEY

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

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