ENGLAND GCSE COMBINED SCIENCE AQA SYNERGY FOUNDATION · 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 passenger train brakes. What force slows it down?**

- A thrust
- B friction
- C gravity, pulling it down
- D lift

Understand It with Pulse | Flag a mistake

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

A drag

B weight

C thrust

D lift

Understand It with Pulse | Flag a mistake

3 **Which of these is NOT a magnetic material?**

A nickel

B iron

C copper

D cobalt

Understand It with Pulse | Flag a mistake

4 **A resistor has a potential difference of 12 V across it and a resistance of 2 ohms. What is the current?**

- A 3 A
- B 24 A
- C 6 A
- D 12 A

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5 **What force is needed to accelerate a 4 kg object at 2 m/s squared?**

- A 8 N
- B 13 N
- C 16 N
- D 4 N

Understand It with Pulse | Flag a mistake

6 **Which type of wave is a light wave?**

A seismic

B sound

C longitudinal

D transverse

Understand It with Pulse | Flag a mistake

7 **A guitar is plugged into an amplifier. What flows through the cable?**

A electric current

B light

C sound waves travelling along it

D water

Understand It with Pulse | Flag a mistake

8 **Which type of radiation is used in a TV remote control?**

A infrared

B X-rays

C ultraviolet

D gamma rays

Understand It with Pulse | Flag a mistake

9 **What is a scalar quantity?**

A a quantity with size and direction

B a quantity with no size

C a quantity with size only

D a quantity with direction only

Understand It with Pulse | Flag a mistake

10 **A set square measures angles. What is a right angle?**

- A 180 degrees
- B 45 degrees
- C 360 degrees
- D 90 degrees

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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