ENGLAND GCSE COMBINED SCIENCE EDEXCEL FOUNDATION · UNIT 17 · 10 QUESTIONS

Key Concepts of Physics — 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 is used to time a race. What is speed calculated from?**

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

Understand It with Pulse | Flag a mistake

2 **Silver coins are made of a metal. Which property do metals have?**

- A they do not conduct electricity at all
- B they conduct electricity
- C they are brittle
- D they dissolve in water

Understand It with Pulse | Flag a mistake

3 **What is 2500 in standard form?**

A 2.5×10^{3}

B 0.25×10^{4}

C 250×10^{1}

D 25×10^{2}

Understand It with Pulse | Flag a mistake

4 **What is the SI unit of amount of substance?**

A litre, which is not an SI unit

B kilogram, the unit of mass

C gram, which is not an SI unit

D mole

Understand It with Pulse | Flag a mistake

5 **A thermometer is placed in hot water. What happens to the liquid inside the thermometer?**

- A it evaporates
- B it freezes
- C it contracts
- D it expands

Understand It with Pulse | Flag a mistake

6 **Glass marbles are shaken in a tray. What does this model?**

- A particles bonding together
- B particles freezing into place
- C particles gaining energy
- D particles disappearing completely

Understand It with Pulse | Flag a mistake

7 **Convert 2500 g to kg.**

A 250

B 25

C 2.5

D 0.25

Understand It with Pulse | Flag a mistake

8 **What is the SI unit of electric current?**

A volt, the unit of potential difference

B ampere

C ohm, the unit of resistance

D watt, the unit of power

Understand It with Pulse | Flag a mistake

9 **Round 0.0472 to 2 significant figures.**

A 0.047

B 0.048

C 0.05

D 0.0472

Understand It with Pulse | Flag a mistake

10 **Convert 500 ms to s.**

A 50

B 0.5

C 5

D 0.05

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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