ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · 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 mass and time together
- B time only, not distance
- C distance and time
- D distance only, not time

Understand It with Pulse | Flag a mistake

2 **A calculator is switched on. What does the battery transfer energy to?**

- A the buttons only
- B the case
- C the screen only
- D the circuits

Understand It with Pulse | Flag a mistake

3 **Convert 150 cm to m.**

A 0.15

B 1500

C 15

D 1.5

Understand It with Pulse | Flag a mistake

4 **Glass marbles are used to model atoms. What is a limitation of the model?**

A marbles cannot be counted accurately at all

B marbles are the wrong colour for atoms

C marbles are too small to see properly

D marbles are much bigger than atoms

Understand It with Pulse | Flag a mistake

5 **Which instrument measures time?**

A a thermometer, which measures temperature

B a balance, which measures mass

C a ruler, which measures length

D a stopwatch

Understand It with Pulse | Flag a mistake

6 **What is a random error?**

A an error that changes each time

B an error that is the same every time

C an error that cannot affect the result

D an error caused by a faulty instrument only

Understand It with Pulse | Flag a mistake

7 **What is the SI unit of time?**

A minute, which is 60 seconds

B second

C day, which is 24 hours

D hour, which is 3600 seconds

Understand It with Pulse | Flag a mistake

8 **Round 5.678 to 3 significant figures.**

A 5.68

B 5.67

C 5.678

D 5.70

Understand It with Pulse | Flag a mistake

9 **How many grams are there in 1 kilogram?**

A 100

B 10

C 1000

D 1000000

Understand It with Pulse | Flag a mistake

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

A it freezes

B it contracts

C it evaporates

D it expands

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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