ENGLAND GCSE PHYSICS OCR TWENTY FIRST CENTURY HIGHER · UNIT 1 · 5 QUESTIONS

Radiation and Waves — 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 **Glass marbles are used to model atoms. What is a limitation of the model?**

- A marbles are much bigger than atoms
- B marbles cannot be counted accurately at all
- C marbles are too small to see properly
- D marbles are the wrong colour for atoms

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2 **A guitar string is tightened. What happens to the pitch?**

- A it stays the same
- B it disappears
- C it falls
- D it rises

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3 **What type of wave is sound?**

A standing

B transverse

C longitudinal

D electromagnetic

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4 **A cup of coffee cools down. Energy is transferred to the surroundings. What type of change is this?**

A a reversible reaction

B a chemical change

C an energy transfer

D a neutralisation

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5

A wave has a frequency of 10 Hz and a wavelength of 2 m. What is the wave speed?

- A 10 m/s
- B 20 m/s
- C 25 m/s
- D 40 m/s

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ANSWER KEY

1. A
2. D
3. C
4. C
5. B

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