ENGLAND GCSE COMBINED SCIENCE OCR GATEWAY HIGHER · UNIT 16 · 10 QUESTIONS

Waves and Radioactivity — 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 kite rises higher. What happens to the wind speed usually?**

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

Understand It with Pulse | Flag a mistake

2 **A Ferris wheel is at the top. What is the person's height like?**

- A at its greatest
- B at zero
- C unchanged
- D at its smallest

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3 **Which type of radiation has the longest range in air?**

A neutron

B alpha

C beta

D gamma

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4 **Which electromagnetic waves are used to take pictures of bones?**

A visible light

B infrared

C radio waves

D X-rays

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5 **A set square is placed on a mirror. What happens to light hitting the mirror?**

- A it passes through
- B it is absorbed
- C it refracts
- D it reflects

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6 **An atom has a mass number of 23 and an atomic number of 11. How many neutrons does it have?**

- A 12
- B 11
- C 14
- D 13

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

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

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8 **A sample's activity halves every 100 years. After 200 years, what fraction of the original activity remains?**

- A 1/4
- B 1
- C 1/2
- D 1/8

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9 **A passenger aeroplane takes off. Which force lifts it up?**

- A thrust
- B lift
- C weight
- D drag

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

- A light
- B electric current
- C water
- D sound waves travelling along it

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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