ENGLAND GCSE PHYSICS EDEXCEL FOUNDATION · UNIT 5 · 10 QUESTIONS

Light and the Electromagnetic Spectrum — 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 **A wristwatch measures time. What is the unit of time?**

- **A** the day
- **B** the minute
- **C** the second
- **D** the hour

Understand It with Pulse | Flag a mistake

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

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

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

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

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4 **Which wave has the highest frequency in the electromagnetic spectrum?**

- A radio waves, which have the lowest frequency
- B infrared, which has a low frequency
- C microwaves, which have a low frequency
- D gamma rays

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5 **A kite rises higher. What happens to the wind speed usually?**

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

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6 **What are radio waves used for?**

A killing cancer cells in treatment

B television and radio

C cooking food in a microwave oven

D seeing inside the body in hospitals

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

A lift

B weight

C thrust

D drag

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8 **An object 4 cm tall forms an image 20 cm tall. Calculate the magnification.**

- A 6
- B 5
- C 4
- D 10

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9 **Which of these has the highest frequency?**

- A gamma rays
- B infrared
- C radio waves
- D microwaves

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10 **An object 3 cm tall forms an image 9 cm tall. Calculate the magnification.**

A 4

B 3

C 6

D 2

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ANSWER KEY

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

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