ENGLAND GCSE COMBINED SCIENCE EDEXCEL HIGHER · UNIT 21 · 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 so it can be fixed.

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

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

Understand It with Pulse | Flag a mistake

2 **A wristwatch ticks every second. How many ticks in a minute?**

- A 30
- B 12
- C 60
- D 100

Understand It with Pulse | Flag a mistake

3 **Why does light bend when it enters a different material?**

- A its colour changes
- B its speed changes
- C it loses energy
- D it becomes sound

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

5 **Which electromagnetic waves are used for cooking food?**

- A ultraviolet
- B X-rays
- C gamma rays
- D microwaves

Understand It with Pulse | Flag a mistake

6 **A hotter object gives out more radiation. What else changes as it gets hotter?**

- A the peak wavelength gets longer
- B the colour stays the same
- C the radiation stops
- D the peak gets shorter

Understand It with Pulse | Flag a mistake

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

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

Understand It with Pulse | Flag a mistake

8 **A Ferris wheel turns slowly. A person on the wheel moves in a circle. What is the person's speed like?**

A decreasing speed

B increasing speed

C zero speed

D steady speed

Understand It with Pulse | Flag a mistake

9 **What happens to the focal length if a convex lens is made more curved?**

A it stays the same

B it becomes zero

C it gets shorter

D it gets longer

Understand It with Pulse | Flag a mistake

10 **What is the speed of electromagnetic waves in a vacuum?**

A 300 million metres per second

B 3 million metres per second

C 300 thousand metres per second

D 30 billion metres per second

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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