CALIFORNIA PHYSICS · UNIT 4 · 5 QUESTIONS

Waves, Light, and Sound — 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 large ocean wave curls and breaks at sea. A wave has frequency 8 Hz and wavelength 5 m. Its speed is**



A 1.6 m/s

B 40 m/s

C 3 m/s

D 13 m/s

Understand It with Pulse | Flag a mistake

2 **A wave has period 0.2 s. Its frequency is**

- A 5 Hz
- B 2 Hz
- C 20 Hz
- D 0.2 Hz

Understand It with Pulse | Flag a mistake

3 **A wave travels at 150 m/s with frequency 30 Hz. Its wavelength is**

- A 5 m
- B 0.2 m
- C 180 m
- D 4500 m

Understand It with Pulse | Flag a mistake

4 **Sound travels at 340 m/s. An echo returns after 4 s. The distance to the surface is**

- A 170 m
- B 1360 m
- C 680 m
- D 340 m

Understand It with Pulse | Flag a mistake

5 **Light enters a denser medium at an angle. It bends**

- A toward the normal
- B not at all
- C along the surface
- D away from the normal

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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