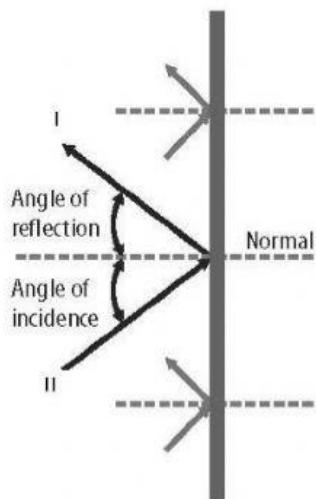


Light and Sound Unit Test

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

1. In which of the following media does sound travel the fastest?
 - a hollow wall
 - a vase full of water
 - a solid block of glass
 - a balloon filled with helium
2. In which of the following temperatures of air would sound travel slowest?
 - 5°C
 - 25°C
 - 15°C
 - 0°C
3. Sounds with frequencies higher than 20,000 hertz are called _____.
 - sonic booms
 - subsonic
 - super sonic
 - ultrasonic
4. Wax paper is _____.
 - translucent
 - reflective
 - transparent
 - opaque
5. When sound travels through air, the air particles _____.
 - vibrate perpendicular to the direction of wave movement
 - vibrate but not in any fixed direction
 - do not vibrate
 - vibrate along the direction of wave movement
6. Use the diagram of reflection of light to identify I and II.
Line I is also known as the _____, and Line II is also known as the _____.



- a. incident ray; normal ray
- b. reflected ray; incident ray
- c. reflected ray; scattered reflected ray
- d. scattered reflected ray; tilted normal