Name _____

The Wondrous Journey of Sound: How Does It Travel Through Air and Beyond?

Multiple Choice Questions

1. What are sound waves made up of?

a) Light particles

b) Water droplets

c) Air molecules

d) Metal wires

2. Why does sound travel faster in water than in air?

a) Water molecules are lighter than air molecules.

b) Water molecules are farther apart than air molecules.

c) Water molecules are denser and closer together than air molecules.

d) Water is a vacuum.

3. What happens to sound waves when they encounter an obstacle and bounce off it?

a) Refraction

b) Reflection

c) Absorption

d) Diffraction

4. When you hear an echo, what phenomenon is taking place?

a) Refraction

b) Reflection

c) Absorption

d) Diffraction

5. How does sound travel through solids like wood or metal?

a) By pushing and pulling air molecules

b) By creating ripples on the surface

c) By causing atoms or molecules in the material to vibrate

d) By creating a vacuum