

## *Sonar: Sight Through Sound*



Sound comes from waves of air molecules traveling through the air.

### *Learning Objectives*

- Students will understand how animals use echolocation to help them avoid obstacles and locate food.
- Students will learn about some of the ways that sonar is used.

### *Summary of Points*

- Sound occurs when molecules of air bump into each other.
- An echo occurs when a sound wave bounces off a hard object and returns to your ears.
- Animals such as dolphins use echolocation to avoid obstacles and locate food.
- Sonar also uses sound waves to locate objects underwater.
- Some examples of objects that sonar is used to locate are icebergs, shipwrecks, submarines, torpedoes, and fish.