

Review and Reinforce

Using Sound

Understanding Main Ideas

Answer the following questions on a separate piece of paper.

1. How do bats use sound to navigate and to hunt?
2. What are two uses for sonar?
3. How does sonar work?
4. What is one way ultrasound is used in medicine?

Building Vocabulary

Write a definition for each of these terms on the lines below.

5. echolocation

6. sonar

7. sonogram

Lesson Quiz

Using Sound

Write the letter of the correct answer on the line at the left.

1. ___ To find food and navigate, dolphins use
A radiotechnology
B aerodynamics
C echolocation
D sonar
2. ___ Through their jawbones, dolphins sense reflected
A sonograms
B light waves
C objects
D sound waves
3. ___ Animals and people gather information by using sound's ability to
A reflect off surfaces
B travel in a vacuum
C cut through steel
D form a transverse wave
4. ___ Sound waves with frequencies above the normal range of human hearing are called
A supersound
B ultrasound
C navigation sound
D echo sound

If the statement is true, write *true*. If the statement is false, change the underlined word or words to make the statement true.

5. _____ An ultrasound imaging device uses reflected sound waves to create a picture called a(n) x-ray.
6. _____ Different parts of the body reflect sound waves differently.
7. _____ Doctors use ultrasound imaging to dissect the human body.
8. _____ A sonar device produces electromagnetic waves.
9. _____ Animals such as bats can send out pulses of radioactivity to help them navigate in the dark.
10. _____ The word *sonar* comes from the words **sound navigation and rearrangement**.