

Sound – Review Questions

Name _____ Date _____ Hour _____

Answer the following questions in complete sentences. Use your notes and pp. 37-43 from your textbook.

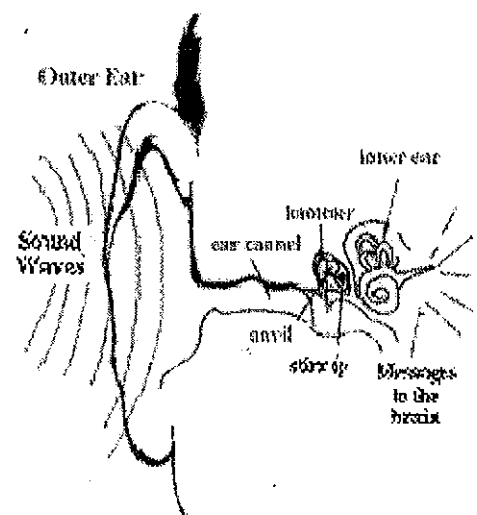
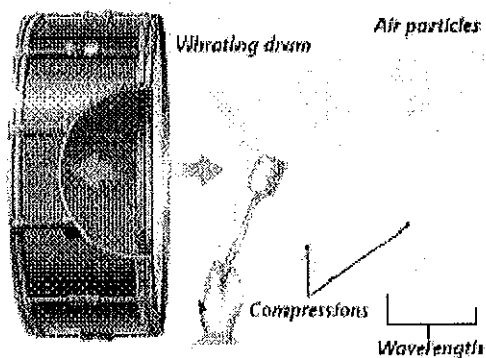
1. **Sound** is _____.

2. **Vibrations** are _____.

3. How are sound waves produced?

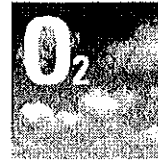
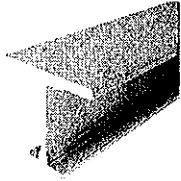
4. How do the particles of the medium move as energy is transferred through a sound wave?

5. Use the diagram below to explain how a drum produces sound waves.



6. The 2 main factors that affect the speed of sound are _____
and _____.

7. Sound travels through these objects at different speeds. Which one allows sound to travel through the fastest? Slowest?



8. The speed of sound depends on its medium. Circle the faster moving sound wave in each pair. (Not louder, faster)

Clapping your hands underwater in a pool. OR Calling to your sister from the deck of a pool.

Whistling on a cool spring day OR Humming on a hot summer day.

Gray whales calling to each other underwater. OR Wolves howling to each other on a summer night.

9. Would the sound from a distant train travel faster through air or through steel train track?

Explain.
