

## Chapter 14 Light and Sound Study Guide

Name: \_\_\_\_\_

Know the definitions of the following vocabulary words:

wavelength - \_\_\_\_\_

frequency - \_\_\_\_\_

pitch - \_\_\_\_\_

reflection - \_\_\_\_\_

absorption - \_\_\_\_\_

transparent - \_\_\_\_\_

translucent - \_\_\_\_\_

opaque - \_\_\_\_\_

refraction - \_\_\_\_\_

compression - \_\_\_\_\_

Know the following:

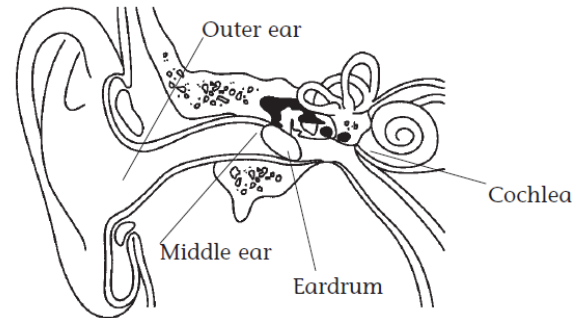
\_\_\_\_\_ energy is formed by vibrating objects. (407)

A sound wave is a type of \_\_\_\_\_ wave. (408)

If you were floating in \_\_\_\_\_, you would be in complete silence. (410)

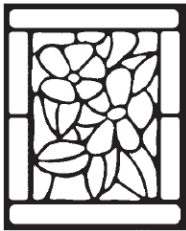
The faster a string vibrates, the \_\_\_\_\_ the pitch. (412)

Which part of the ear is filled with liquid that vibrates, causing little hairs to move? \_\_\_\_\_ (415)



Light waves and sound waves are both forms of \_\_\_\_\_. (416)

When light moves from one medium to another it bends, or \_\_\_\_\_. (422)



What type of material is used to make a stained glass window?  
\_\_\_\_\_ (421).

Which muscular part of the eye controls how much light enters the eye? \_\_\_\_\_ (423)

Light rays spread apart when they pass through a \_\_\_\_\_ lens. (424)

Yellow light, ultraviolet waves, and X rays are all part of the \_\_\_\_\_ spectrum. (418)