

Light and Sound Study Guide

Test will be on Thursday, January 28

- *Light travels in a straight path in all directions from the source.
- *Light can be reflected from a mirror and other shiny objects.
- *Light is necessary to see objects.
- *Light travels through some objects and not through other objects. (Example: Black construction paper blocks light, plastic wrap or a clear window lets all the light shine through, and waxed paper lets some light through but it's hard to see through)
- *Shadows are produced when light is blocked.
- *A shadow points away from its light source. (Be able to identify the correct position of the sun to make a shadow)
- *The length of a shadow can be changed by moving the light source.
- *The temperature of dark colored objects is greater than the temperature of light colored objects when placed in the sunlight.
- Light energy produces heat.
- Dark objects absorb light energy.
- Light objects reflect light energy.
- *Sounds are produced by vibrating objects and vibrating columns of air.
- *Pitch and volume are two characteristics of sound.
- *Changing the way an object vibrates can change the pitch and volume of the sound produced.
- *Changing the length, tension, or thickness of a string affects the vibration and the pitch of the sound produced.
- *Be able to read a data table.

Study, Study, Study!!!