

Name: Answer Key Science – Light & Sound FKA1  
Study Guide

**Test Date:** \_\_\_\_\_

Study these vocabulary words:

- Absorption
- Energy
- Reflection
- Refraction
- Transparent
- Translucent
- Mirror
- Prism
- Shadow
- Opaque
- Sound
- Vibration
- Volume
- Pitch
- Music
- Eardrum

★ use vocab cards  
to study these words

Think about:

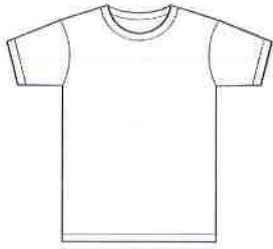
How is sound created?

Sound is created when things vibrate.

How can you change the sound of an instrument?

By changing the pitch and/or volume.

Look at the pictures below. Tell me about the temperature of the shirts if they were lying out in the sun. Why is that?



- Cooler
- reflects back all the colors which does not create much heat



- Hotter
- absorbs all the colors which creates heat

Look at the picture below. These kids are having fun in the sun. How are these kids able to make shadows? (Hint: Think about the sun.)



These kids are able to make shadows because the sun is ~~low~~ low which means it is morning or afternoon.