

Name _____ Date: _____

Science~ Light and Sound Study Guide

1. Light colored clothing _____ heat. Dark colored clothing _____ heat.

2. How are translucent and transparent materials alike?

3. Give the definition and examples of each object:

Transparent	Translucent	Opaque

4. Why are you able to see objects in a mirror?

5. What happens to objects when your parents see them in a vehicle's rearview mirror?

6. What tool do you use to separate light into the visible spectrum (rainbow)?

7. Draw two examples below of a mirror and how the reflection would bounce back:

8. Draw and give the description of each type of lens:

Concave Lens	Convex Lens

9. What is sound produced by?

10. Sound is a type of _____.

11. How do sound waves move when an object vibrates?

12. Give examples of sounds of each:

Low Pitch	High Pitch

13. How do you make a lower pitched sound through vibrations? (think of the rubber band or ruler task)

14. Describe the relationship between frequency and pitch.