

Light and Sound Review

1. Match the properties to either Light and/or Sound

Travels in waves

Caused by vibrations

Absorbed

Light

Travels in straight line

Reflected

Energy we see

Refracts

Sound

Modified

Vibrations we hear

2. Fill in the blank;

- Light reflects of rough, shiny, uneven surfaces in a _____
- Light reflects off smooth, shiny, flat surfaces in a _____
- A black t-shirt reflects _____ and absorbs _____
- A white car reflects _____ and absorbs _____
- To make an echo you need a _____, _____ surface and you can also make an echo _____.
- When you screech your chair on the floor it causes _____. The air is _____ in _____ that move to your _____.
- A rainbow is like a _____ because when _____ passes through a raindrop the colours _____ into _____, _____, _____, _____, _____, _____, _____.

3. Why could the Grinch hear his echo in his home?

4. True or False: correct the ones that are false

a. A light surface reflects light better than a dark surface. T or F

b. A wrinkled piece of aluminum foil reflects light in a bright, even pattern. T or F

c. We can see our reflection in a mirror because it's smooth and dull. T or F

5. Definitions:

a. Light Source: _____

b. Reflected Light: _____

c. Natural Light: _____

d. Artificial Light: _____

e. Rainbow: _____

f. Pitch: _____

g. Volume: _____

6. What are some technologies you have used or seen that use light energy?

7. What are some technologies you have used or seen that use sound energy?

- Note: NOT devices that are light sources or sources of sound.