

Name: _____ Date: _____

Light and Sound Exploration Practice

In this activity, you will learn about light and sound. You will find out how light helps us see and how sound helps us hear. You will answer questions about what you learn.

- **Light:** Light is a type of energy that helps us see things. For example, the light from the sun lets us see during the day.
- **Sound:** Sound is what we hear when things make noise. For example, a drum makes a sound when you hit it.
- **Vibration:** Vibration is a quick back-and-forth movement that makes sound. When you hit a drum, it vibrates, and that makes sound.
- **Echo:** An echo is when a sound bounces back to you. If you shout in a big room, you might hear your echo.
- **Source:** Source is where something comes from, like the light from a lamp. A lamp is a source of light.



A. Answer True or False

Read each sentence. Circle if it is true or false.

Sentence	True	False
a.) Light helps us to see things.		
b.) Sound cannot travel through air.		
c.) Vibrations do not make sounds.		
d.) An echo is a sound that bounces back.		
e.) A lamp is a source of light.		



b. Solve the Problems

Answer the questions below.

a.) What are two things that make light?

Type your answer here.

b.) What is one thing that makes a loud sound?

c.) How does light help us?

d.) How does sound help us?

e.) Can you name something that does not make any sound?

Answer key

A. Answer True or False

- a.) **Light helps us to see things.** True
- b.) **Sound cannot travel through air.** False
- c.) **Vibrations do not make sounds.** False
- d.) **An echo is a sound that bounces back.** True
- e.) **A lamp is a source of light.** True

C. Solve the Problems

- a.) **What are two things that make light?** The sun and a lamp.
- b.) **What is one thing that makes a loud sound?** A car horn.
- c.) **How does light help us?** Light helps us to see.
- d.) **How does sound help us?** Sound helps us to hear things.
- e.) **Can you name something that does not make any sound?** A rock.