Name:

Hearing Your Heartbeat

Source of Sound

Name the source of each sound. What was vibrating?

a) _____

b) _____

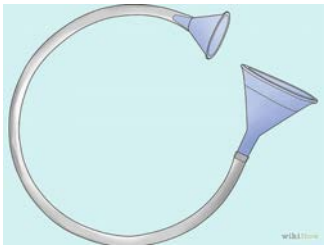
c) _____

d) _____

Super Listener Earphones!

Materials:

- 2 plastic funnels
- 1 metre of plastic tubing



Instructions:

1. Push a plastic funnel into each end of the plastic tubing. Push hard so the funnels stay in place.

2. Place one funnel over your heart, and the other over your ear. What do you hear?

Think About It...

1. What is the apparatus that doctors use to check our heart?

2. How do these devices work?

Sources: Wood, Robert. Science For Kids. Blue Ridge Summit: Tab Books, 1992. Print.
Norris, Jill. Science Experiments For Young Learners. Monterey: Evan-Moor Educational Publishers, 2000. Print.

Name:

Sound and Solids?

Predict: Do sounds travel faster in solids than gases?

Loud Liquids?

Predict: Do sounds travel faster in liquids than gases?

States of Matter - Activity!

1. Divide the class into 10 groups. Take 6 of the groups and call them the **solids**. Take 3 of the groups and call them the **liquids**. Call the final group the **gases**.

2. Spread out in your group (solid, liquid, or gas) from the front of the class to the back. There should be 1 line for each group.

3. Your teacher will give the person at the back of the line a **password**, which they will have to run and tell to the next person when told to start. (This part is similar to the Telephone game.)

4. Wait for your teacher to tell you to go, then start!

Questions:

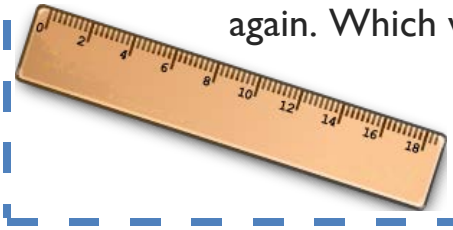
1. Was this a fair game? Who won?

2. How were the groups arranged?

3. How is this set-up similar to the particles of solids, liquids, and gases?

Listen Up: Solids!

Have a partner slap a ruler against a desk while you listen. Now, listen to the desk through your Super Listener Earphones while they hit it again. Which was louder?



Listen Up: Liquids!

Using a container of water, have a partner "speak" into the water through a straw while you listen in the air. Now, use your Super Listener Earphones to listen by submerging one end in the water. What do you notice?

Sources: Wood, Robert. Science For Kids. Blue Ridge Summit: Tab Books, 1992. Print.
Norris, Jill. Science Experiments For Young Learners. Monterey: Evan-Moor Educational Publishers, 2000. Print.