

Name: _____

Hearing Your Heartbeat

Source of Sound

Name the source of each sound. What was vibrating?

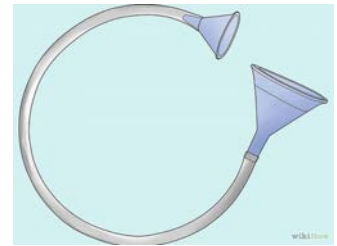


- a) _____
- b) _____
- c) _____
- d) _____

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?



Name: _____

Listening to Everyday Objects - Activity!

Materials

- Slinky™
- Metal Coat Hanger
- Fork
- Spoon



Task 1: Hold one end of your earphones near the Slinky™, and the other at your ear. Have a partner pluck the Slinky™ while you listen.



Task 2: Using two sets of earphones, have an end near each end of the coat with the other ends of the earphones held to your ear. Have a partner tap the hanger while you listen.



Task 3: Hold one end of your earphones near the fork, and the other at your ear. Have a partner pluck the fork while you listen.



Task 4: Hold one end of your earphones near the spoon, and the other at your ear. Have a partner pluck the spoon while you listen.



Talk About It!

1. Did any of the objects make noise before they were tapped?
2. What was similar about all the sounds?

Listen To Your Heart - Activity

Predict: How many times do you estimate your heart beats in 1 minute?

1. Using your Super Listener Earphones, count how many times your heart beats in 15 seconds. Have a partner time for you. Write your number here: _____ beats in 15 seconds.

2. Multiply the number of beats you counted by 4 (to get beats per minute). This is your **resting heart rate**. Write your number here: _____ beats in 1 minute.

3. How close was your estimate?

4. Do you think your heart rate goes up or down with exercise? Test it out!

