**The Nature of Sound (Day 2)**

**1. Fill in the blanks with the words below.**

**diffraction reflection interference**

**Type of Interaction**   **Description**

1. \_\_\_\_\_\_\_\_\_\_\_ Sound waves bounce back from surfaces
2. \_\_\_\_\_\_\_\_\_\_\_ Sound wave bend and spread out when they go through an o opening or barrier
3. \_\_\_\_\_\_\_\_\_\_\_ Sound waves meet and interact with each other

2. A reflected sound wave is called a/an \_\_\_\_\_\_\_\_ .

3. The speed of a sound wave depends on these three properties of the medium.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. The ability of a material to bounce back after being disturbed is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5. Is the following sentence true or false?

The more elastic a medium is, the slower sound travels in it. \_\_\_\_\_\_\_\_\_

6. Does sound travel more slowly through a given medium with a low temperature or high

temperature?