

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Sound Pre-Quiz **Answer Key**

1. What is sound?

**Sound is created by the vibration of air particles.**

2. Can sound travel through water?

**Yes. Sound waves can travel through water. Sound needs a medium to travel through, and water is a medium that sound can travel through. The speed of sound in water is different from that in air.**

3. Can we have sound on the moon or in space?

**Sound waves need a medium (such as air) to travel (remember the vibration of particles). There is much less air on the moon, and so we can have sound on moon. But outer space has no air, and so astronauts are not be able to hear sounds in outer space.**

4. What is a microphone?

**A microphone is a sound sensor; it is device that converts / transduces sound to electricity.**

**OR**

**A microphone is a device that converts mechanical energy to electrical energy.**