

# Sound Notes

Answer the following:

1. Why do we need two ears?

We need two ears to locate a sound. If a sound is produced on your left, the vibrations of the air reach your left ear just before they reach your right ear. They are heard more loudly in the left ear than in the right ear. The difference in the loudness of the sound in the two ears helps you to identify the direction the sound came from.

2. How do we produce sound while speaking?

When we talk we move air from our lungs past your vocal cords. The air makes your vocal cords vibrate. Your vibrating vocal cords make sounds.

Name the instrument in each which makes musical notes:

- a. Vibrating string

Guitar

- b. Vibrating air in a tube

Flute

State true or false:

- a. Cochlea transmits sound vibration to the brain.

False. The auditory nerve carries the vibration to the brain.

- b. Sound vibration travels in all the direction.

True

- c. Astronauts use radio to communicate in space.

True

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