

## Sound -Science Exam

### String Phone

Read Carefully and fill in the blanks with the correct answers. Use the key words from the box to fill in the blanks to explain how your string phone works.

vibrates	frequency	energy	solid	particles	
person	string	distance	ear	louder	quickly

When one \_\_\_\_\_ talks into their cup, the cup \_\_\_\_\_. The sound \_\_\_\_\_ of these vibrations passes along the string. The string is a \_\_\_\_\_, so the particles are close together, and the vibrations can pass \_\_\_\_\_ and easily along the string. The vibrations pass from the \_\_\_\_\_ into the second cup, which also vibrates. These vibrations pass through the air \_\_\_\_\_ into the second person's \_\_\_\_\_, who can hear the sound of the first person's voice. The sound of the person's voice is \_\_\_\_\_ through the string than it is through the air over the same \_\_\_\_\_.