

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 _____.