

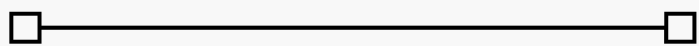
# HOW SOUND MOVES?

SOUNDS CAN TRAVEL THROUGH SOLIDS, LIQUIDS AND GASSES. CAN YOU GUESS WHICH MEDIUM SOUND TRAVELS THE FASTEST IN? TRY THESE EXPERIMENTS TO TEST YOUR ANSWER.



## TELEPHONE CUPS

Take a long string and tie two paper cups to each end. Poke holes in the bottom of the cups and pull the string through, secure with a knot. Get a friend to hold one cup, while you step back until the string is pulled tight. Try whispering to your friend without the cups but keeping the same distance.

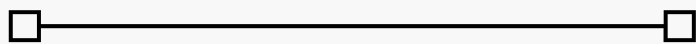


Now, whisper into the cup while your friend holds the cup to their ear. Did you notice a change?



## EAR GONG

Take some string and tie a spoon around the middle of it, securing it with a knot. Hit the spoon off the metal surface. What do you hear?



Now, take the string and put both ends in your ears, as if you were putting on headphones. Hit the spoon off a metal surface. What do you hear?

## WHICH MEDIUM DOES SOUND TRAVEL THE FASTEST?

CIRCLE YOUR ANSWER BELOW.

**SOLID**

**OR**

**GAS**