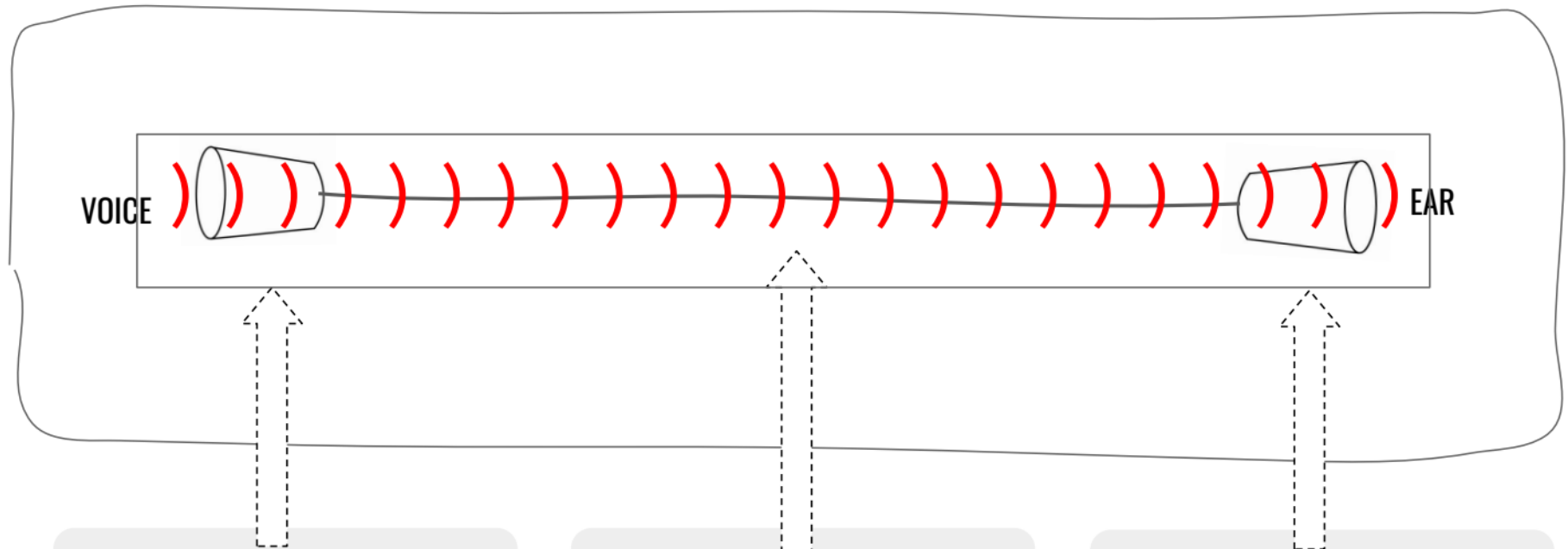


Paper Cup Telephone

Note to teacher: We drew curved lines to represent vibrations, but students may come up with other equally valid ideas to show that the string and cups are vibrating.

1. EXPLAIN HOW IT WORKS

How do you think the paper cup telephone works? Draw and describe what happens to the sound as it goes from cup to cup.



What happens here?

The voice makes vibrations that make the cup vibrate.

What happens here?

Vibrations from the cup travel down the string.

What happens here?

The string makes the cup vibrate. Those vibrations travel into the ear.

Note to teacher: There are no right answers here. Look for evidence that students are thinking about their past observations and making observations about what happens in their experiments.

2. DISCUSS:

HOW COULD YOU CHANGE YOUR PAPER CUP TELEPHONE TO MAKE IT BETTER?

BETTER

Write 2 ideas to test down here

3. EXPERIMENT!

The 2 experiments you decided on:	Try your experiment. What did you notice?
<p>Here's what we'll do: _____ _____</p> <p>Here's what we think will happen: _____ _____</p>	
<p>Here's what we'll do: _____ _____</p> <p>Here's what we think will happen: _____ _____</p>	

If you need more space, use the back of the page.

