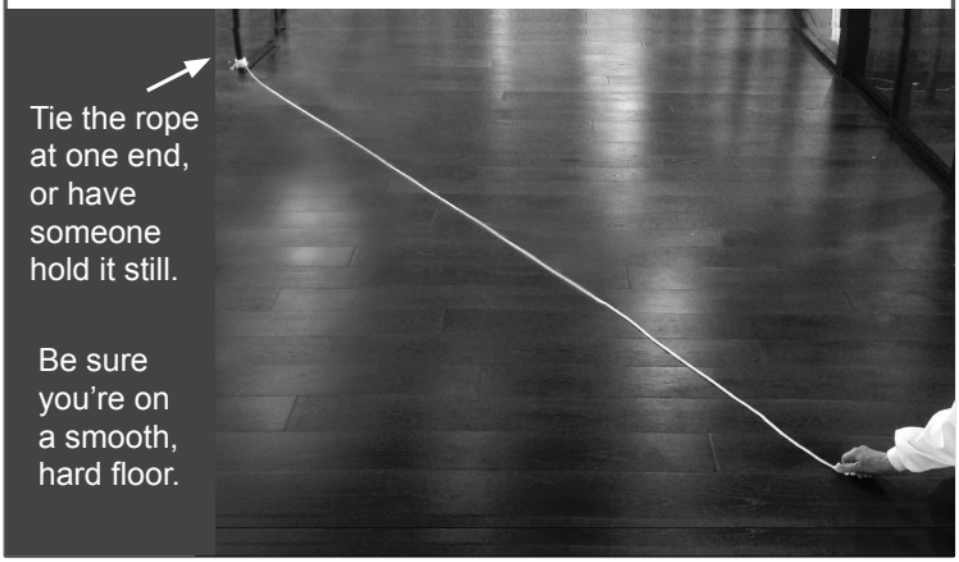
Be the Vibration!

Name: _____

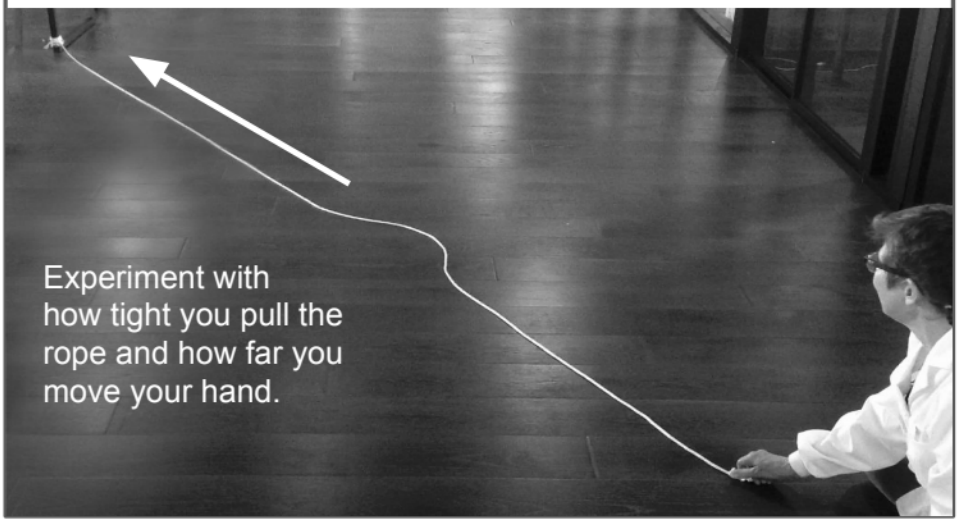
1

Step 1 Make sure you have all your supplies. Your experiment set-up should look like this:



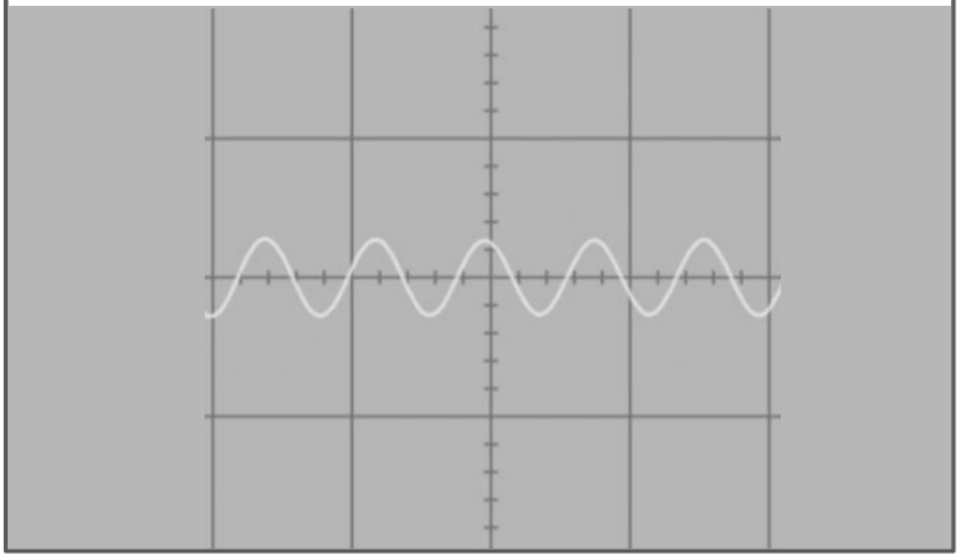
2

Step 2 Make a vibration by jerking your hand to the side and back. Try to make a wave that travels to the end of the rope.



3

Step 3 Challenge! Make waves that look like this oscilloscope picture of a **high**-pitched sound:

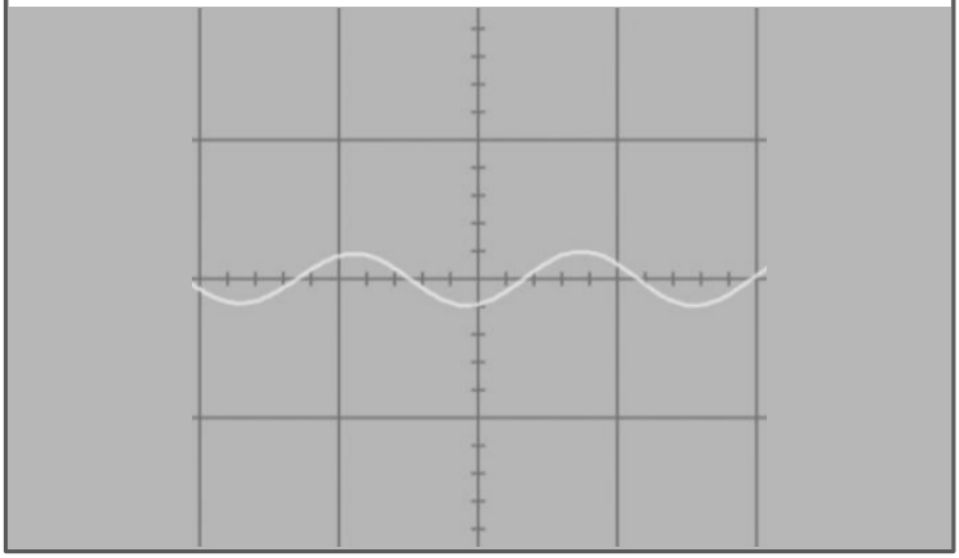


How do you have to vibrate your hand to make waves that are squished together like this?

_____

4

Step 4 Challenge! Make waves that look like this oscilloscope picture of a **low**-pitched sound:



How do you have to vibrate your hand to make waves that are spread out like this?

_____