Send that Signal

Name: _____

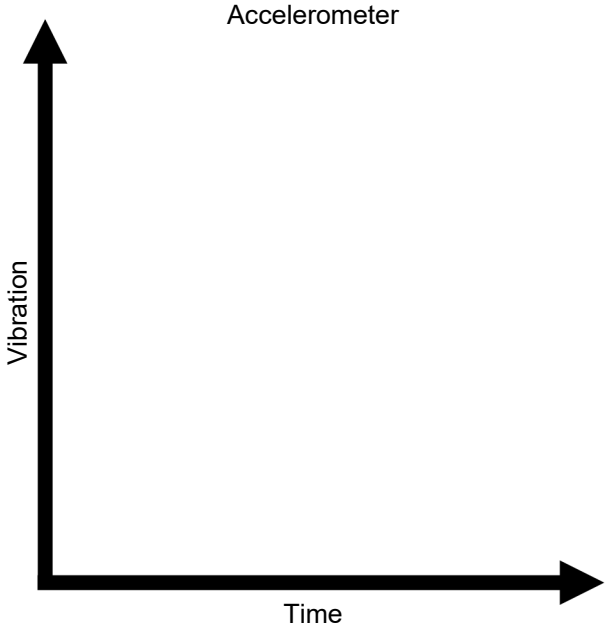
Student worksheet

Date: _____

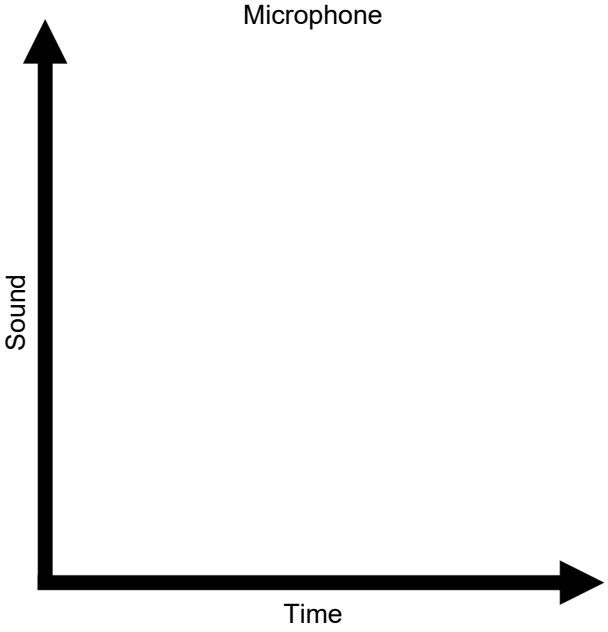
Directions: In the space below, draw the graphs you saw for each experiment. Then answer the question.

1. Short distance (right next to the phone)

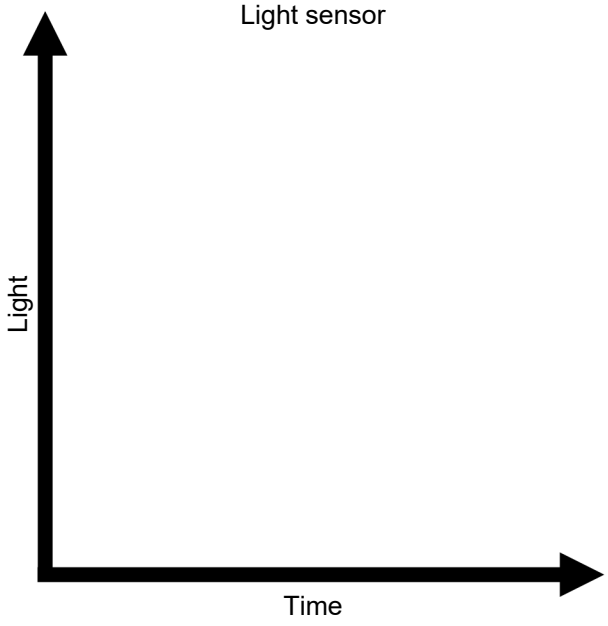
Accelerometer



Microphone



Light sensor



Look at your graphs. Which sensor(s) worked best to communicate the right number?

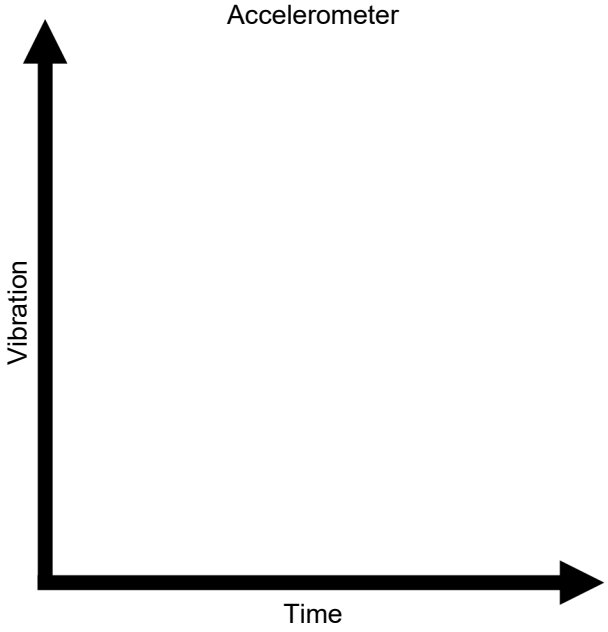
Send that Signal—Page 2

Name: _____

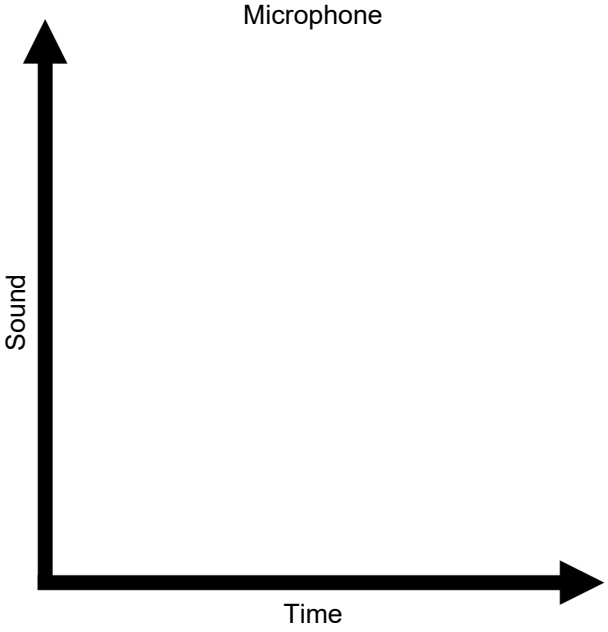
Directions: In the space below, draw the graphs you saw for each experiment. Then answer the question.

2. Medium distance (across a table)

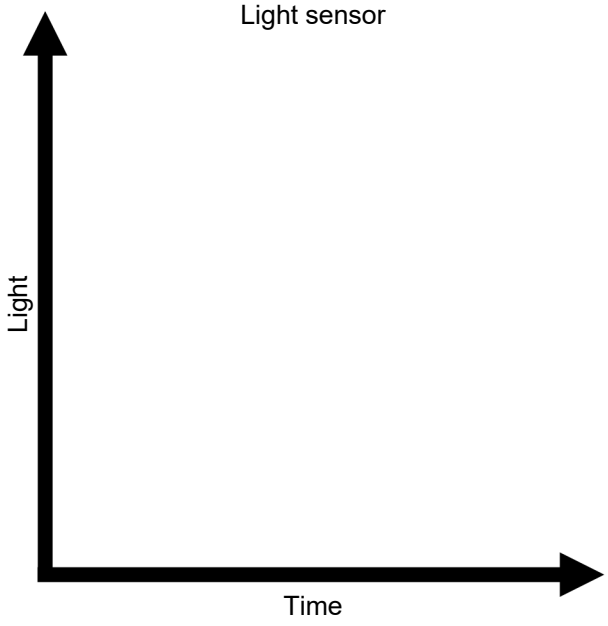
Accelerometer



Microphone



Light sensor



Look at your graphs. Which sensor(s) worked best to communicate the right number?

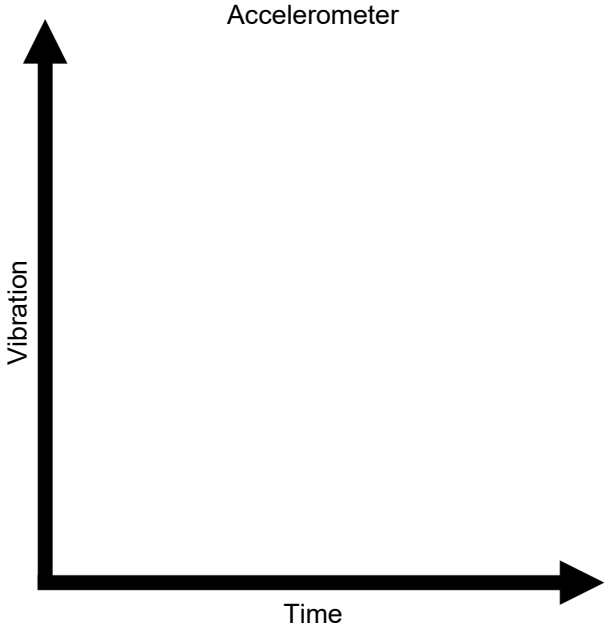
Send that Signal—Page 3

Name: _____

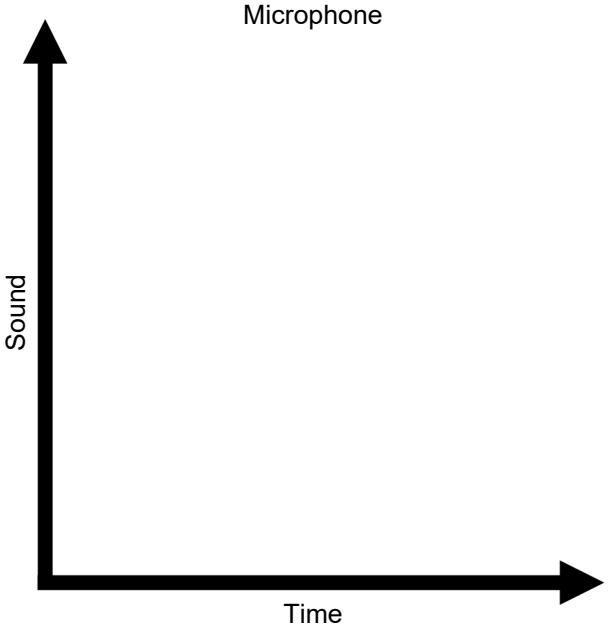
Directions: In the space below, draw the graphs you saw for each experiment. Then answer the question.

3. Long distance (across the classroom)

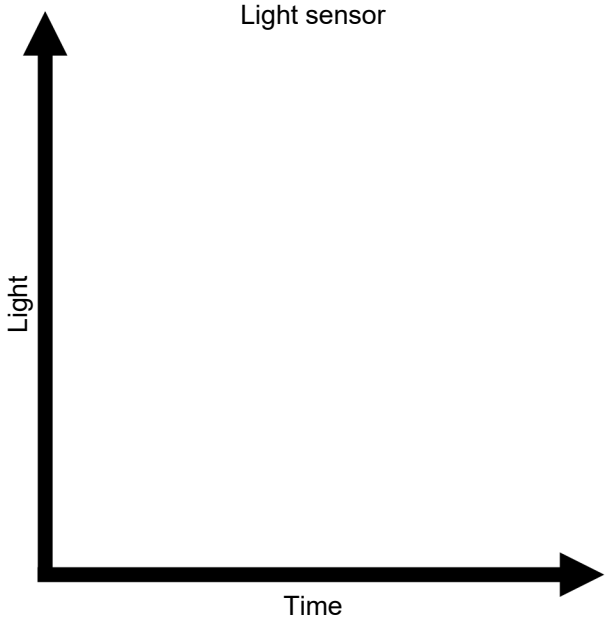
Accelerometer



Microphone



Light sensor



Look at your graphs. Which sensor(s) worked best to communicate the right number?

Send that Signal—Page 4

Name: _____

Directions: Answer the following questions based on your experiment.

4. Which type of signal (vibrations, sound, or light) worked best over a short distance? Why?

5. Did any of the types of signals (vibrations, sound, or light) work for sending a message across the classroom? Explain why or why not.