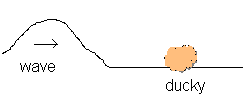
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PRE-ASSESSMENT: WAVES**

Note: This is a pre-assessment to find out what you already know about waves. This is NOT graded on how many questions you get right or wrong, but please do your best to communicate your thinking and explain your responses to each question.



1. You are in a large boat in the middle of the ocean. You drop a rubber ducky overboard as a large ocean swell is headed your way.
   1. What direction is the wave moving?
   2. What direction do you think the will the rubber ducky move? Why?
2. You pluck a string on a guitar and it makes a sound.
   1. How does the string make a sound?
   2. How does the sound travel to your ear so you can hear it?
3. On a hot sunny day, you are deciding if you should wear a black or a white shirt outside. Will one make you warmer than the other? Why or why not?
4. One morning while eating cereal, you look at your reflection in your spoon and notice that your reflection is upside down. Why do you think this happens?