

Name \_\_\_\_\_

# Create Your Own Ripples

1. What happened to the water when you dropped the pebble in the shallow water?

2. What happened to the cork when you dropped the pebble in the shallow water?

3. What happened to the cork when you dropped the pebble into the deeper water?

**Your Experiment**

A. Design an experiment that explains wave characteristics related to energy transfer. Remember that you need to collect measurable data. This data can include distance, time, diameter or mass. Write your experimental plan.

B. Write your hypothesis.

C. What is the independent variable in your experiment?

D. What is the dependent variable in your experiment?

E. Put your information into a table.


