

## “Scientists Are Thinkers”

**Question/Problem: What do we want to find out?**

What properties are needed to make a good boat float?

**Hypothesis: What do we think we will find out? Make a prediction.**

Write what you think you will need to do to make the boat float by looking at a boat that floats and carry a specified number of tiles.

**Materials: List what you will need to test the hypothesis**

List the materials you will use to build the boat

**Procedures/Steps: State step by step what you are going to do.....specifically**

List the steps to create the boat

**Observe and Record Data: List, picture, chart, graph**

Create a chart demonstrating what happened to the boat as each tile was added to the boat.

**Analysis/Results: What does the data tell us?**

Describe the properties of the boat that made it successful or what properties you would change to make it more successful

**Conclusion: What did I learn? What does it make me want to learn next?**

Write a statement of fact about boat building that you learned from this experiment.

Tell what you would do differently next time to make the boat float better and/or carry a heavier load.