

Whirligig Experiment Planning Guide

3.2.1

Name: _____ Date: _____

Question

What question are you investigating and answering with this experiment?

Prediction

What do you think the answer is and why do you think that?

Variable Identification

- Which part of the whirligig will you be changing in your experiment?
- Which variable will you manipulate (change) in your experiment to test the effects of that whirligig part?
- What conditions and procedures will you keep the same (hold constant or control) in your experiment?
- What will you measure?
- How many trials will you do for each value of your manipulated variable?

Procedure and Data

Write detailed instructions for how to conduct the experiment. Include the following:

- how you will set up the whirligig
- how you drop it
- how you measure its performance
- how you record the data
- how many trials will you do