

## Experimental Design

### Anticipation Guide

Complete the Before column before the Save Fred lab.

Complete the After column once you are finished with your lab.

Before

After

\_\_\_\_\_ 1. All scientists solve problems the same way.

\_\_\_\_\_ 2. There is only one scientific method.

\_\_\_\_\_ 3. A well-designed experiment should have a hypothesis.

\_\_\_\_\_ 5. A hypothesis can be revised based on new evidence.

\_\_\_\_\_ 6. A well-designed experiment should produce results that are reproducible in later experiments.