Objective of the handout: To guide students to use the steps of the scientific method while they investigate the dissolution of sugar.

**Define** the Problem: What is the problem? What are you trying to learn?

**Predict** an Answer: What did you think would happen?

**Test** your Prediction
How will you do this?
[Complete the sentences.]
We put _________________________ in plastic cups to see ________________________.

In cup 1 we put ____________________________________________________________.
In cup 2 we put ____________________________________________________________.
In cup 3 we put ____________________________________________________________.
In cup 4 we put ____________________________________________________________.

**Observe** Your Results
We then recorded ____________________________________________________________.

Cup 1 took _________ seconds.
Cup 2 took _________ seconds.
Cup 3 took _________ seconds.
Cup 4 took _________ seconds.
Record your observations: We then made a graph showing the results

seconds to dissolve

Cup 1  Cup 2  Cup 3  Cup 4