Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

“Learning to See” Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per \_\_\_\_\_

Lab Safety Notes:

Must wear goggles and an apron (liquid may stain clothing)

Do **NOT** taste liquid or put fingers into liquid

Materials:

2 beakers (250 mL)

1 Alka Seltzer tablet cut in half

200 mL of unidentified blue liquid

1 Graduated Cylinder (100 mL)

Sticky Notes

Procedure:

1. Each group will choose –

1 or 2 Observers – make the observations

1 or 2 Recorders – write down what observers see

1. Make observations at the start of the lab before doing anything.
2. Using the graduated cylinder, measure and pour 100 mL of blue liquid into each of the 250 mL beakers.
3. When directed by the teacher, each group will drop ½ of an Alka Seltzer tablet into the blue liquid. Observers will watch carefully at what happens and the sequence of the events. Recorders will write down these observations on sticky notes (one observation per sticky note).
4. When tablet is completely dissolved, discuss the observations with group members and come to a group decision on the order of events and details observed.

**Note: You will be timed for 10 minutes. In this time, each group must complete their observations and group discussion and be ready to share their results with the class.**

1. Class will organize a master list of observations.
2. Repeat the activity with a second beaker containing 100 mL of blue liquid and the second half of the Alka Seltzer tablet. Clarify any observations or details and add to master list on board.

Clean Up:

1. Place beakers with used liquid on front counter.
2. Wash hands (use sink at front or back of lab).
3. Leave goggles at station and hang apron on rack.

Questions:

1. How did the observations change for the second trial?
2. What is the benefit of repeating an experiment?