**Hide and Seek?**

**Problem:  *(copy this into your notebook)***

Can observational skills help you identify items in science?

**Background:**

**In your notebook record your answers to the following questions. Use your notes to help you.**

1. Describe an observation.
2. Describe an inference.
3. Describe a prediction.

**Hypothesis:** Make an **If and then** statement, referring to the problem.

**Procedures: Complete the procedures.**

1. Select one seed from the cup on your table.

2. "Get to know" your seed through observation**. In your notebook, record as many observations about your seed as possible.** Facts may include diagrams, measurements, descriptions of their color and shape.

The key to this lab is the use of accurate observations. You must come up with at least 10 observations. **Please number each observation as you record it in your notebook.**

3. Return seeds to the cup and mix them up. Using the same cup, place the seeds on the table and try to locate your own seed. Were you able to locate yours?

4. Return the seed to the cup. Exchange notes with another member at your table and locate their seed.

**Conclusion Questions:**

1. Which observations are most useful in identifying the seeds?
2. Were you able to locate the seed of your partner? Why and how?
3. How can observations and inferences be useful in science?
4. Describe ways that observations can be useful in the real world.