

# Peep Solubility



Elementary Science:

**Objective:**

TLW test the solubility of Peeps by using different solvents.

**Advance Preparation:**

Prepare 6 jars or beakers with 250 mL of the solvents listed. Each jar will have one solvent.

- 1-room temperature water
- 2-meat tenderizer (1 g in water)
- 3-fingernail polish remover
- 4-vinegar
- 5-ammonia
- 6-isopropyl alcohol

Take a package of Marshmallow Peeps and separate 6 of them.

**Materials:**

marshmallow Peeps

6 beakers

safety goggles for chemical use

**Substances for Testing:**

room temperature water

meat tenderizer dissolved in water

fingernail polish remover

vinegar

ammonia

alcohol

**Procedure:**

1. Ask the students what they think that Peeps are made of and what they think will happen to a Peep if you put it in water.
2. Briefly explain all other substances that will be tested.
3. Have students predict what they think will happen to a Peep in each beaker.
4. Place 1 Peep in each beaker.
5. Have students make observations about every 20 minutes over a span of about an hour. Students may continue making observations in a Peep observation journal over the next several days.

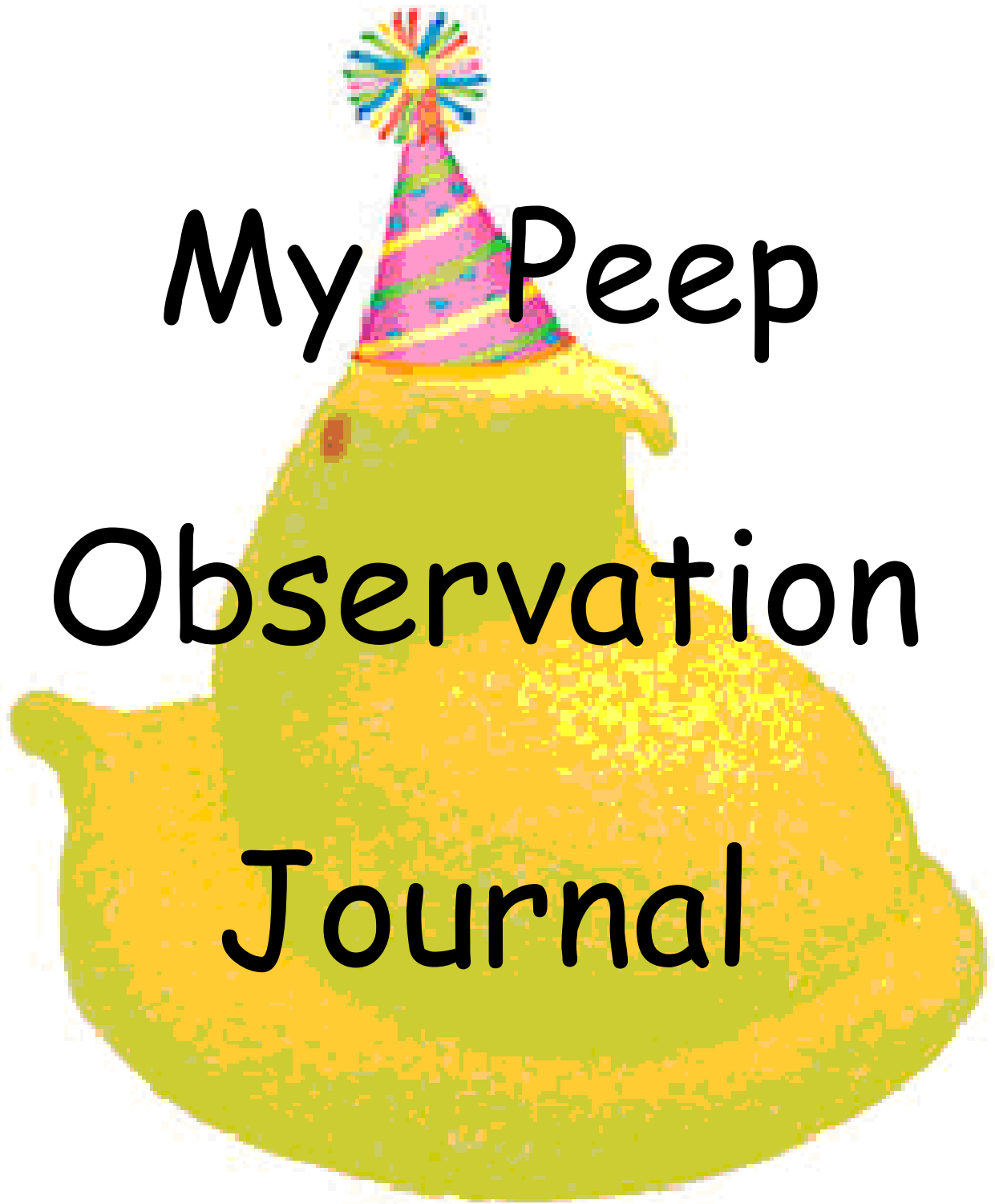
# Data Table



Write your predictions under the PREDICTED column before actually testing the peeps. After you have marked your predictions, test the Peeps solubility, and record your observations under the OBSERVED column.

<b>Beaker</b>	<b>Predicted</b>	<b>Observed</b>

**Conclusion:** Discuss your observations. What is a Peep made of, and why is this information important in finding what solvents will dissolve Peeps?



My Peep

Observation

Journal









