

Name \_\_\_\_\_

## Lab Sheet

### How Much Water is Available for Agriculture?

**Objective:**

Students will recognize the extent of available water for agricultural purposes.

**Materials:**

- Plastic gallon jug
- Measuring cup
- Clear bowl
- Eyedropper
- Small plate

**Procedure:**

1. Fill the one-gallon jug with water. It represents all the water on earth.
2. Use the measuring cup, and remove one-half cup of water from the jug. Pour this into the clear bowl. This water represents all the fresh water on earth, which is about 3 percent of the total amount of water. The other 97 percent is salt water. Freshwater is found in lakes, rivers, groundwater, ice, and in living things.
3. Use the eyedropper to remove one drop of water from the bowl. Place this drop of water on the small plate. This one drop represents the freshwater available for people and for agricultural purposes. The rest of the half-cup of water is deep ground water, bound up as soil moisture, biomass water, or water in the atmosphere.