

## Lesson Eight

### GET WET!

#### SAMPLING AND LAB PROCEDURES FOR WATER CHEMISTRY

Homes on town water do not need sample bottles. Only homes with wells will be sampled. Complete a PRE-Visit Survey Sheet for every well that is being sampled.

#### Procedure

Each home will collect 1 sample in a 500 mL bottle. If the home has a filter the samples must be taken from a faucet that is *not influenced* by the filter (before the softener or house system). If taken from the tap water, the aerator must be removed *prior to samples taken*.

1. Run cold water for ten minutes to remove all water from the system that may have been in the pipes. This will give a clean sample collected directly from the well.
2. While the water is running make a label for your bottle. PRINT on the bottle label:

The last name of the homeowner ex: THORNTON

The date water sample was taken ex: 01/27/06

The town water sample was taken ex: LAMOINE, MAINE

Make sure the bottle and the label are dry and completely filled out BEFORE taking water sample. The label glue and pen are difficult to work with when wet.

3. As a preliminary wash, fill a small amount of the bottle with tap water, place the cap on, swirl water within the bottle, and then dump the water down the sink. Repeat with second bottle.
4. After the initial wash, fill the entire 500 mL bottle from the faucet, cap tightly and place in refrigerator.
5. Place bottle in a brown paper bag and transport to school without opening.
6. Upon arrival at school, place bottles in a refrigerator until time of laboratory technique.
7. Some bottles will be transported to the laboratory for additional testing.

THANK YOU