

Team Name: _____ Date: _____

Backyard Weather Station Activity – Tool #4: Rain Gauge Worksheet

Materials

Each group should have:

- Wide glass (to catch the rain)
- ruler
- Straight-sided, thin jar (a graduated cylinder works best) (to measure the amount of rain)
- Masking tape
- water

Instructions

1. Using a ruler, pour one inch of water into the wider glass jar. This jar is the rain catcher.
2. Pour this water into the straight-sided, thin jar. This jar is the rain gauge.
3. Use masking tape to mark the water level on the rain gauge.

Using the Rain Gauge

- Set the rain catcher in an area outside that has no obstructions to block the rain (such as overhanging branches or roofs).
- After it rains, pour the water from the rain catcher into the rain gauge and use the one-inch water line taped to the gauge to determine the amount of rainfall, in inches.



Data Collection

Use the following table to collect data from your observations.

Time of Observation	Rainfall (in inches)	Notes