

**Program Name: Blue Planet**

**Grade(s): Sixth, High School**

**Objective:**

Students will:

- Estimate the percentage of Earth’s surface that is covered by water;
- Predict what a probability sample will reveal about the relative coverage of land and water;
- Conduct a probability sample and compare the results to their estimate and predictions.

**Description:**

Students estimate the percentage of Earth’s surface that is covered by water and, by tossing an inflatable globe, conduct a simple probability sample to check their estimates.

**Activities & Resources:**

Lesson plans.

**Warm Up:**

Students statistically sample the content of a jar containing a number of blue and orange beads. The objective is for the students to predict the percentage of the beads are blue. The blue beads represent water.

**The Activity:**

Students record the number of times the tip of their left thumb is on land or water as they toss around a inflated beach ball globe.

**SOL’s:** 6.5, Geology

**Format and Requirements:**

This Project Wet kit is available to borrow for one week.

