

Blue Planet

Summary:

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

Objectives:

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.
- estimate how long water remains in locations such as rivers, lakes, ground water and the ocean.

Materials:

Warm Up

- Two sets of colored beads or paper squares (71 blue beads or squares and 29 tan)
- Large plastic bag
- Four chenille twists
- Calculator
- Copies of **Blue Planet—Do the Math!** (one per student)

Part I

- Inflatable beach-ball globe that shows water and land masses or classroom globe
- Whiteboard, chalkboard or flip chart
- Pencil and notepad
- Calculator

Part II

- Whiteboard, chalkboard or flip chart
- Notepaper and pencil (per group of three to four)

Pre-K through 2 Activity

- Inflatable beach-ball globe that shows water and land masses or classroom globe
- Whiteboard, chalkboard or flip chart
- Copies of **Planet Paint** (one per student)

Publication:

Project WET Curriculum and Activity Guide 2.0

Page Number:

125

Framework:

Water Connects All Earth Systems

Grade Levels:

K through 2, Upper Elementary, Middle School, High School, Kindergarten, Grade 1, Grade 2, Grade 4, Grade 5, Grade 6, Grade 7, Grade 8, Grade 9, Grade 10, Grade 11, Grade 12

Subject Areas:

Earth Science, Geography, Health, Math

Preparation Time:

K through 2: 5 minutes, Part I: 10 minutes, Part II: 5 minutes

Activity Time:

K through 2: 15-30 minutes, Part I: 30 minutes, Part II: 20 minutes

Setting:

Indoor, Outdoor

Skills:

Gathering, Organizing, Analyzing, Interpreting, Applying