

DROP IN THE BUCKET

Objective: Students will learn about how much fresh water is available for human use.

Illinois State Goals: 12.E.

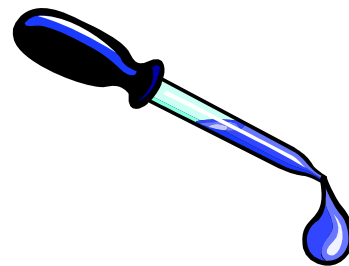
Top Book Hits:

Water by Susan Canizares & Pamela Chanko; **ISBN-13:** 978-0590107273

Drip! Drop! How Water Gets to Your Tap by Barbara Seuling; **ISBN-13:** 978-0823414598

Materials Needed:

- 1 gallon of water
- Eye dropper
- Measuring spoons
- 6 clear containers with labels



Procedure:

1. Measure and take out 5 tablespoons of water from the gallon of water and place in one clear container. Label this 2% polar ice caps or glaciers.
2. Measure and take out 2 tablespoons of water from the gallon of water and place in another clear container. Label this container 0.62% ground water.
3. From the gallon of water take 1/8 teaspoon and place in a container labeled 0.008% inland seas/salt lakes.
4. Take out another 1/8 teaspoon of water and place in a container labeled 0.009% fresh water lakes.
5. In the two remaining containers place one drop of water in each. Label one 0.001% atmosphere and one 0.0001% rivers/streams.
6. The water remaining (97.2%) in the original gallon represents the oceans. What is available as fresh water for human use? The combination of groundwater, fresh water lakes, and rivers and streams (2 tablespoons + 1/8 teaspoon + 1 drop).

Explore More: Frank the Fish water usage short video:

http://www.youtube.com/watch?gl=CA&hl=en&v=a_r4jRm-T50

Illinois Water Ag Mag www.agintheclassroom.org or through local agricultural literacy coordinator.