

Where The Water?

What You'll Need:

5-gallon container of water
500 ml beaker or similar sized container
2 Small graduated cylinders, beakers or cups.
Pipette
Optional: food coloring or color tabs



What To Do:

The 5-gallon container of water represents all of the water on Earth, on and below the surface and in the atmosphere. Optional: add a few drops of color to the water.

- Begin by taking out 370 ml of water from the container and place it in a 500 ml beaker.

The water that remains in the large container represents all the **salt water** on the planet – the oceans, seas, inland salt lakes and saline water found deep underground.

The water in the beaker represents all of the **freshwater** on the planet.

Let's breakdown the freshwater into its component parts based on location and usability.

- Use a pipette and remove 25 drops of water (about 1.5 ml) from the beaker of “freshwater” and place it in a small cup or graduated cylinder.

This tiny amount represents all of the freshwater that flows on the surface of the planet – in

- Next, remove another 118 ml (about 1/2 cup) from the freshwater beaker and place in a small beaker.

The “freshwater” that is left in the larger beaker represents the freshwater that is frozen in polar ice caps, glaciers and permafrost and it also includes all of the water contained in the atmosphere.... In form of water vapor, clouds and precipitation

The amount in the smaller beaker represents all of the groundwater on Earth.