Activity:

1. The 1,000 ml represents all water on Earth. Where is most of the water found on the planet?

   **Hint:** It is nearly 97% of Earth’s water!

2. The remaining 3% is the amount of fresh water on Earth. Where do you think most of the fresh water is found on Earth?

   **Hint:** 80% of fresh water on Earth is in this state of matter.

3. Unfortunately, 75% of Earth’s unfrozen fresh water is still inaccessible for human use! Where do you think this might be located?

   **Hint:** Take a breath, think deep, up high and look below the plants outside.

4. Unfortunately, even most of this surface water – 98% - is not safe or unavailable for humans to use for drinking or growing food.

   Why do you think this might be?

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**Label ocean - saltwater, 97% of all water & draw image of ocean**
- 97%*1,000 = 970 ml
- How much left? How can you calculate?
- 3%*1,000 or 1,000-970 or other?
- Remaining water = 30 ml
- Remove 30 ml from 1,000 ml.
- Shake salt into water remaining in 1,000 ml container and label ‘salt water’

**Label frozen, fresh water, 2.4% of all water & draw image.**
- 80%*30 ml = 24 ml.
- How much left? How can you calculate?
- 20%*30 ml or 30 ml – 24 ml = 6 ml
- Remove 6 ml = non-frozen fresh water.
- Set aside remaining 24 ml and label as frozen fresh water.

**Label liquid, inaccessible fresh water, 0.6% of total water + image**
- 75%*6 ml = 4.5 ml
- 95% of this water is too deep underground to easily access, in other living things, the soil and the atmosphere.
- How much left? How can you calculate?
- 25%*6ml or 6 ml – 4.5 ml = 1.5 ml (@ 0.6%) left represents Earth’s unfrozen, fresh water flowing at any given time over Earth’s surface – i.e., lakes, streams, human water systems.

**Label liquid, potable fresh water, 0.003% of all water + image**
- 98%*1.5 ml = 1.47 ml
- Some of this water is polluted or too salty but most of it is in large bodies of water humans have not yet found the capacity to take – 21% of this water is in Great Lakes & another 22% in Lake Biakal!
- How much left? How can you calculate?
  Use an pipette or tip of a pencil to remove 1 drop. Let the drop fall on the table, in a cup or on a plate. This represents the amount of water on Earth available for human needs = 0.003%