Activity:

1. The 1 measuring cup (8 oz) represents all water on Earth. Where is most of the water found on the planet? It is 97% of Earth’s water!

   - Label Ocean & % water & draw your image of the ocean
   - 97%*8oz = 7.76 oz
   - How much left? How can you calculate?
   - 3%*8 or 8-7.76 other? We will round to 0.25 oz.
   - 8oz = 1 cup of water/1oz – 6 tsp
   - 0.25*6tsp/1ox = 1.5 tsp
   - Remove 1.5 tsp from cup and pour into the 1 TBSP.
   - Shake salt into water remaining in cup and label ‘salt water’

2. Predict- 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.

   - Label frozen water & 80% fresh water & draw your image.
   - 80%*1.5tsp = 1.2 tsp
   - How much left? How can you calculate?
   - 20%*1.5 or 1.5-1.2 = 0.3 tsp
   - Will round to nearest .25 tsp again.
   - Take ¼ tsp. from tbsp. = non-frozen fresh water.
   - Set aside remaining 1.25 tsp and label as frozen fresh water.

3. Predict- Unfortunately, people still can’t get or use most of this water. Why do you think this might be? Where do you think this water is located?

   - What % is non-frozen fresh water?
   - 1 cup = 8 oz 1 oz = 6 tsp 8*6 = 48 tsp
   - 0.3 tsp/48 tsp *100% = 0.6 % of Earth’s water!
   - Water is deep underground to easily access or too polluted to use. Only 0.5% of remaining ¼ tsp is easily accessible fresh water humans can use.
   - Label ‘non-potable fresh water’ % and your image.

4. Predict- Where do you think most of the remaining easily accessible fresh water is found on Earth?

   - Dip your finger or tip of a pencil in the water 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%!
   - Label ‘potable fresh water’ % and your image.