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

Label Ocean \& \% water \& draw your image of the ocean

- $97 \% * 8 o z=7.76 \mathrm{oz}$
- How much left? How can you calculate?
- $3 \%$ *8 or 8-7.76 other? We will round to 0.25 oz .
- $8 o z=1$ cup of water/1oz - 6 tsp
- $0.25 * 6 \mathrm{tsp} / 1 \mathrm{ox}=1.5 \mathrm{tsp}$
- Remove 1.5 tsp from cup and pour into the 1 TBSP.
- Shake salt into water remaining in cup and label 'salt water'

Label frozen water \& 80\% fresh water \& draw your image.

- $80 \% * 1.5 \mathrm{tsp}=1.2 \mathrm{tsp}$
- How much left? How can you calculate?
- $20 \%{ }^{*} 1.5$ or $1.5-1.2=0.3 \mathrm{tsp}$
- Will round to nearest .25 tsp again.
- Take $1 / 4 \mathrm{tsp}$. from tbsp. = non-frozen fresh water.
- Set aside remaining 1.25 tsp and label as frozen fresh water.

What \% is non-frozen fresh water?

- 1 cup $=8$ oz 1 oz $=6 \mathrm{tsp} 8^{*} 6=48 \mathrm{tsp}$
- $0.3 \mathrm{tsp} / 48 \mathrm{tsp}$ * $100 \%=0.6 \%$ of Earth's water!

Water is deep underground to easily access or too polluted to use. Only $0.5 \%$ of remaining $1 / 4$ tsp is easily accessible fresh water humans can use.
Label 'non- potable fresh water' \% and your image.

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.

