



WATER WATER EVERYWHERE

Name: _____ Date: _____

SALINITY

THINK FIRST!

Salinity is a measure of how much salt is dissolved in water: the saltier the water, the greater its salinity. How do you think salinity affects the weight of water?

MATERIALS

- 1 funnel
- 2 jars
- 2 bottles
- measuring spoons
- measuring cups
- salt
- food color
- water

PROCEDURE

1. Put 1 cup of water in each bottle.
2. In one bottle, make salt water by adding 1/2 teaspoon of salt and 2-3 drops of food color and mixing.

3. Measure $\frac{1}{3}$ cup of salt water and pour it into one jar. Rinse the measuring cup in tap water when you are done.

4. Put the funnel all the way to the bottom of the jar and slowly pour $\frac{1}{3}$ cup of fresh water into the funnel. What happens?

5. Now try the opposite. Measure $\frac{1}{3}$ cup of fresh water and pour it into the other jar.

6. Put the funnel all the way to the bottom of the jar and slowly pour $\frac{1}{3}$ cup of salt water into the funnel. What happens?

CONCLUSION

QUESTION

Design your own experiment to test if water gets heavier as it gets saltier. Write your procedure and then try it.

