

(Example of Student Lab Pages to accompany Oceans – Day 5 Lesson Plan)

NAME: _____ DATE: _____

WHAT DOES SALT DO?

Problems:

1. What effects does salt have on ocean water?
2. How does this model represent what is happening to the waters of the ocean?

Hypothesis:

Materials:

Lab sheets, test tube, glass beaker or glass jar, salt, water, small spoon, food coloring and goggles

Procedures:

1. At your teacher's direction, remove the materials from your lab box and follow the procedures below. **Remember to use caution while handling glassware.**
2. Fill the beaker or jar with tap water approximately $\frac{3}{4}$ full. (Do not move the jar or bump the table so that the water is perfectly still.)
3. Now, fill the test tube with tap water about $\frac{3}{4}$ full.
4. Drop food coloring into the water in the test tube until the color is dark.
5. Next, put about $\frac{1}{2}$ teaspoon of salt into the test tube of colored water and gently shake so that the salt dissolves.
6. Very slowly, pour the salty water from the test tube into the clear water in the beaker or jar.
7. Observe what happens.
8. Record this data in your observations section.
9. Make a scientific drawing of the model, color and label the layers of water as "fresh water" and "salty water".
10. Continue to observe for several minutes. Do you see any other changes take place? Why or why not?
11. Join in the class discussion to report your findings.
12. Complete your conclusions.
13. During clean-up, be sure to follow your teacher's instructions to properly dispose of the salty water.

Observations:

Procedure # 7

Scientific Drawing of Model

Procedure #10

Conclusions: (answers to the problem questions)

1.

2.
