Name: _____ Date: _____ Period: _____ Page:

Hydrometer Lab

Objective:

Density and Buoyancy-

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Hydrometer-

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Procedure-

1. Fill a large plastic beaker with 400 mL of water.
2. Place the hydrometer in the water. Record the water level on the hydrometer scale.
3. Remove the hydrometer and mix in 10 g of salt into the water. Stir until it is dissolved.
4. Place the hydrometer in the salt water and record the water level on the hydrometer.
5. Repeat steps 3 and 4 four more times, each time adding 10 more grams of salt.

Data-

Data Table

Amount of NaCl (salt)	0g	10g	20g	30g	40g	50g
Hydrometer Level (cm)						

Conclusions-

1. What can you conclude about the relationship of the density of the water and how high the hydrometer floats?

2. Why is it easier for a person to float in the ocean than in a fresh water lake?