Name_____ Per_____ Date_____

BUOYANCY ACTIVITY (10PTS)

DATA:

1. Mass of empty vial_____g

2. Mass of vial with tap water_____g
   Mass of vial with salt water_____g

3. Volume of tap water_____ml
   Volume of salt water_____ml

4. Mass of tap water_____g
   Mass of salt water_____g

5. **PREDICT:** Considering the mass of the empty vial, the vial with tap water, vial with salt water, make a prediction as to what you think will happen when you place the three vials in a tub of water. Will they all sink? All float? Some float?

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6. Now **TEST** your prediction. Place the vials in a tub of water. Did they *sink* or *float*?
Empty vial_____
Vial with tap water_____
Vial with salt water_____

7. *If any vials did float*, add mass (paperclips) to the vial until they sink. How many paperclips did it take to get it to sink?
Empty vial___
Vial with tap water___
Vial with salt water___

8. **EXPLAIN** your results using vocabulary terms we've learning in class.

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