Name: _____

Planning Water Samples

Plan your experiment, decide with a partner what water samples you will create and fill in the table below, then record your hypothesis.

Water Sample Description (circle)	Water Color
Your Sample: Hot / Cold Fresh / Salt	
Partner's Sample: Hot / Cold Fresh / Salt	

What do you hypothesize will happen when you combine your water sample in the density tank with your partner's sample?

Measuring Water Samples

For Your Sample: Record the information requested in the table below.

For Partner's Sample: Copy the information your partner recorded and measured to fill out this table.

Be sure to weigh your beaker before preparing a water sample in it.

Water Sample	Mass of Empty Beaker (g)	Total Mass of Beaker and Water Sample (g)	Volume of Water Sample (mL)
Your Sample:			
Partner's Sample:			

Observations

Perform the experiment in the divided tank, and record your observations of the side view of the tank: write at least one sentence about what you observed.

Calculating Water Samples

Use the data you recorded for your sample, to perform the calculations below.

1. Your Sample:

_____ g	**-**	_____ g	**=**	_____ g
Total Mass of Beaker and Water Sample		Mass of Empty Beaker		Mass of Water Sample

_____ g	**/**	_____ mL	**=**	_____ g/mL
Mass of Water Sample		Volume of Water Sample		Density of Water Sample

Fill in the table using your calculation of density, and your partner's.

Water Sample	Water Color	Density of Water Sample
Your Sample:		
Partner's Sample:		

Explain why you think your water samples behaved in your density tank the way they did. Use your calculations to support your argument.