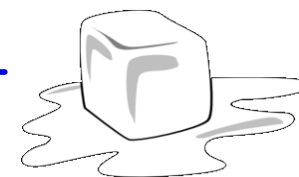




Freeze Me! Melt Me!

Mini Lab

3/4/15



Question: How does the weight of water change from before an interaction to after an interaction in a closed system?

Hypothesis: If liquid water is frozen to solid ice, then the weight of the liquid will be _____ than the weight of the ice.

If solid ice is melted to liquid water, then the weight of the ice will be _____ than the weight of the liquid.

WEIGHT <u>BEFORE</u> INTERACTION (g)			WEIGHT <u>AFTER</u> INTERACTION (g)		
	Prediction	Actual		Prediction	Actual
Water to Ice			Water to Ice		
Ice to Water			Ice to Water		

Conclusion:

How to turn this into an
EXPERIMENT

★ Does it affect the weight?

- ① Use different liquids to freeze
- ② Add non-dissolvable objects to the liquid and freeze it
- ③ Melt already frozen objects (not ice)
- ④ Change the location of where you allow ice to melt
- ⑤ Use ounces instead of grams
- ⑥ Change the container to freeze the liquid
- ⑦ Ice in dark and one in light room to see how long it takes to melt (time)
- ⑧ Freeze other liquids, mark level on cup, let it melt and remark new level (how much it expanded)