Melting Ice, Thermal Expansion and Sea Level Rise /10

Name: _____

Partner(s): _____

This is a handy sheet to record results and guide your thought process. You may choose to use numbers on this sheet when explaining what you found in your conclusion. Ice melts fast so I really just wanted to make sure you had numbers you may want in the end an didn't think of in the moment.

Ice melting on land simulation (Ice in funnel):

Volume of water in beaker before ice melt:_____

Mass of ice:_____

Volume of water in beaker after ice melt:_____

Volume change in beaker:_____

Ice melting in ocean simulation (Ice in beaker):

Volume of water in beaker before ice addition:_____

Mass of ice:_____

Volume of water in beaker with ice before ice melt:_____

Volume of water in beaker after ice melt:_____

Volume change in beaker:_____

Thermal expansion of water simulation:

Volume of water in test tube @ room temperature:___**34ml**____

Inner diameter of tube:___**7mm**_____

Starting temperature of Water after ice bath:_____

Greatest temperature of water Achieved:_____

Anything else you note during the experiment that may end up being important:

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Height change in (mm)	Volume change in (mL)	Total Volume @ Temp (mL)	Temperature Change (C)
0	0.00		
1	0.04		
2	0.08		
3	0.12		
4	0.15		
5	0.19		
6	0.23		
7	0.27		
8	0.31		
9	0.35		
10	0.38		

% change = $\frac{\text{final} - \text{initial}}{\text{initial}}$ x 100% (If negative just change to positive)