

Group Names \_\_\_\_\_

## What is Causing the Ocean to Rise?



Type of ice: \_\_\_\_\_

Found in: \_\_\_\_\_



Type of Ice: \_\_\_\_\_

Found in: \_\_\_\_\_

Research question: \_\_\_\_\_  
\_\_\_\_\_

### Materials

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### Experimental Design

In the space, draw a picture of what your land ice setup will look like, and what your sea ice setup will look like:

Land ice	Sea ice
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Variables & Controls

What is your independent variable? (What are you changing between your two setups?) \_\_\_\_\_  
\_\_\_\_\_

What is your dependent variable (What are you measuring?) \_\_\_\_\_

What are you controlling (What needs to be the same in both of your setups?) \_\_\_\_\_  
\_\_\_\_\_

Data

How will you measure your sea level rise? \_\_\_\_\_  
\_\_\_\_\_

What units will you use? \_\_\_\_\_

Hypothesis

Do you think the land ice or sea ice will make the water rise higher? (you can also say they will rise the same amount)

\_\_\_\_\_  
\_\_\_\_\_

Use the table below to record your data:

	Land Ice	Sea Ice

Analysis

What does your data show? (how much did each water level change? which rose more? By how much?) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Conclusion

Was your hypothesis correct? \_\_\_\_\_

Why did the water rise more in one container than the other? \_\_\_\_\_

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What kind of ice melting is causing sunny day flooding? Explain how you know using the result of your experiment:

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