# How does the melting of sea ice or land ice affect the sea level?

## Required materials

* 2 transparent plastic cups or containers
* brown play dough divided in two parts (or rocks)
* ice cubes
* 2 glasses of water
* salt
* a tablespoon
* a marker
* a ruler
* a stopwatch
* a notepad and a pencil

## 1. Questions before performing the experiment

1. What is sea ice, and where can we find it on Earth?

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1. What is land ice, and where can we find it on Earth?

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## 2. Watch the first video and perform the experiment

Follow the steps outlined in the tutorial video.

Draw a diagram of your experiment in the box on the next page.

## 3. Record your measurements

Fill the table.

|  |  |  |  |
| --- | --- | --- | --- |
| **Glass 1: sea ice** | | **Glass 2: land ice** | |
| Time (min) | Water level (mm) | Time (min) | Water level (mm) |
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## 4. Observations

Describe what happened during the experiment.

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## 5. Summary

Summarize the activity by answering the questions: why, what and how.

1. **Why** is it important to understand the impact of melting sea ice and melting land ice on the rising sea level?
2. **What** were the key findings or observations from the experiment?
3. **How** does the melting of sea ice differ from the melting of land ice in terms of sea level rise?

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