



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?

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

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)



4. Observations

Describe what happened during the experiment.

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?

