

Sea Level Rise

Does sea level rise from melting land ice or melting sea ice?

Materials:

- Per 2 students:
- 2 ice cubes
- 2 clear cups
- 2 popsicle sticks
- Warm water
- 1 piece of clay or play dough
- 1 paper towel
- 1 marker
- 1 pencil

Procedure

1. Mark one cup "land ice" and the other "sea ice".
2. Design an experiment that shows what happens to sea level when the glaciers on land melt and when floating sea ice melts.
3. Before doing the experiment, write a **prediction** of what will happen for each cup.

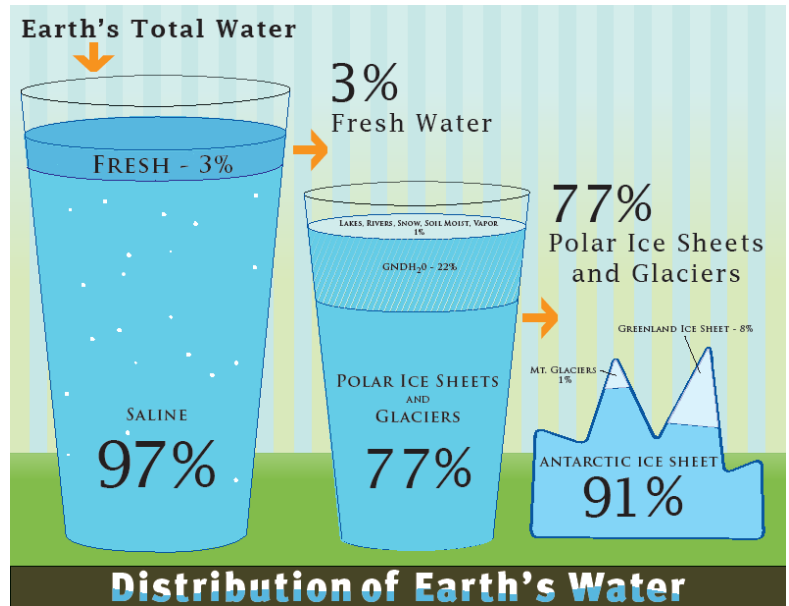
Land ice: _____

Sea ice: _____

4. Set up the experiment and do it.

5. What happened?

6. Write a conclusion that states what happens to sea level with land and sea ice melt.



How much of the earth's water is fresh?

How much of fresh water is frozen in ice?

Why is this important?

Where is most of the frozen water?