# Prac: Melting Ice and Sea Level

Name: _____

**Aim:** To model the difference between melting sea ice and melting ice sheets on land

**Hypothesis:** (C grade)

I think that (*what you think will happen*)

This is because (*why you think it will happen*)

**Equipment and Materials:** (E grade)
*This is a list of things you needed to do the experiment*

**Method:**
*Write a numbered list of steps that were done in this prac* (C grade)

Draw a labelled diagram of the experiment (D grade)

**Results:**

| | Floating Ice | Ice on support structure |
|---|---|---|
| Original water level (E grade) | | |
| Final water level (E grade) | | |
| Water level increase (D grade) | | |

**Discussion:**

1. Was your hypothesis correct? (C grade)

2. Explain the reason for the difference between ice melting in water, and ice melting from a support structure (B grade)

3. Apply the results of this experiment to melting sea ice and melting ice sheets on land in Antarctica. (B grade)

4. What else could we learn about the effect of melting ice using a similar experiment? (A grade)

5. How would you change the experiment to learn what you've mentioned above? (A grade)

**Conclusion** (C grade)**:**

*Write one sentence that tells what you learned about the difference between melting sea ice and melting ice sheets on land.*