Prac: Thermal expansion

Name: _____

Aim: To determine the relationship between temperature and the volume of water

Hypothesis: (C grade)

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

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

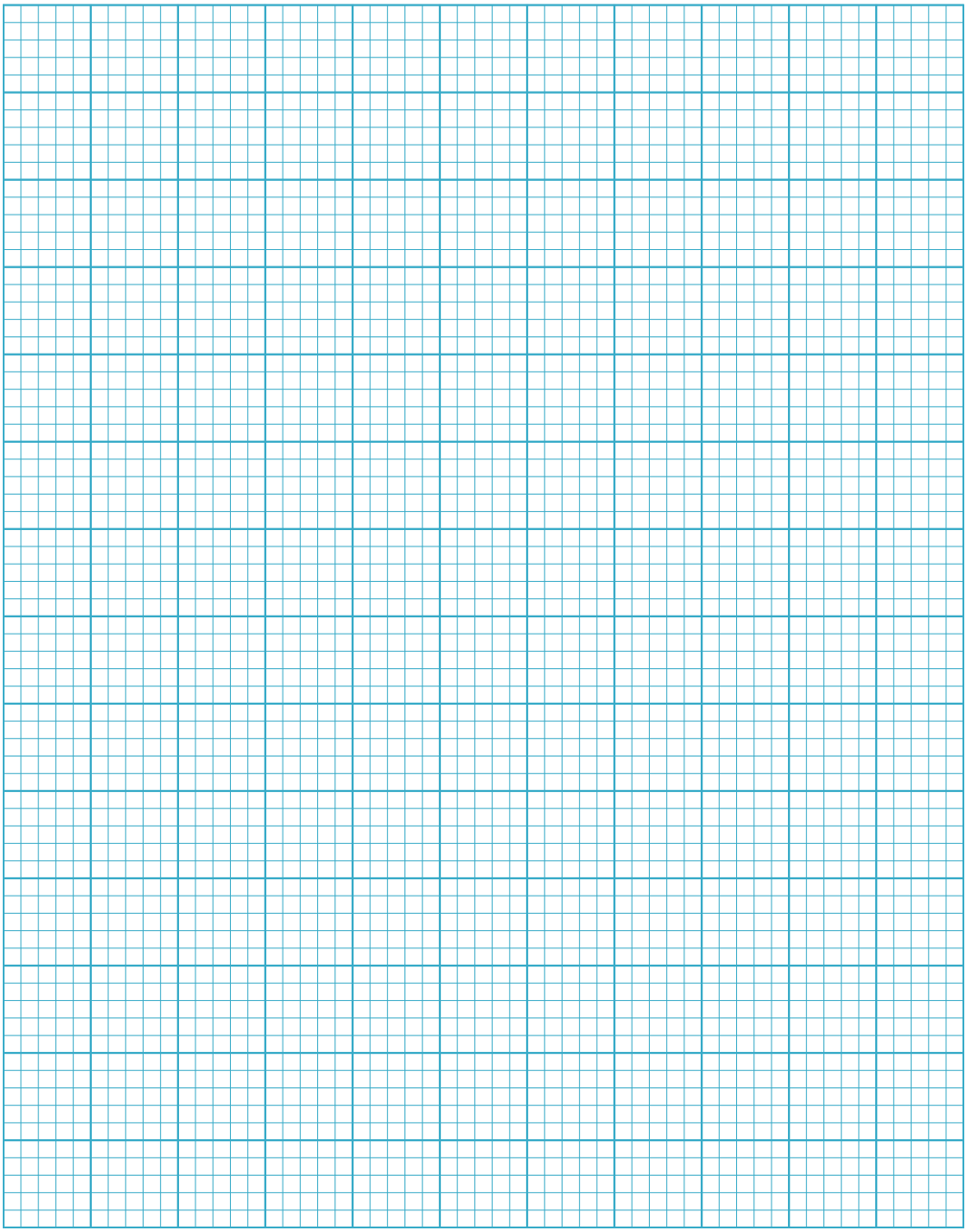
Equipment and Materials: (E grade)
This is a list of things you needed to do the experiment

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

Draw a labelled diagram of the experiment (C grade)

Results: (E grade)

Water height (cm)	Temperature Test 1 (°C)	Temperature Test 1 (°C)	Temperature Test 1 (°C)	Average Temperature (°C)



Discussion:

1. Did the the water expand as it was heated? (D grade)

2. What was the shape of the graph? (C grade)

3. Was your hypothesis correct? (C grade)

4. How does particle theory explain why the water expanded?(B grade)

5. Apply the results of this experiment to how sea levels are directly affected by climate change. (B grade)

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

7. 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 relationship between temperature and the volume of water.