Therm	al Expansion of Gases Name:
Aim: To observe the thermal expansion of gases. Equipment: conical flask, balloon, hot plate or Bunsen burner.	
2.	Place a balloon over a conical flask. Heat the conical flask (and the air inside it) on a hot plate for about 5 minutes. After 5 minutes remove the conical flask from the hot plate and continue to make observations as the air cools down.
SAFETY WARNING: A hot hot plate looks the same as a cold hot plate, so please be careful!	
Questions:	
1.	Describe what happened when the air was heated and what happened when it cooled down.
2.	How does thermal expansion or air compare to thermal expansion of water and metals?
Method (Part B):	
6. 7. 8. 9.	Pour 100 mL (millilitres) of water into a conical flask. Place a balloon over the conical flask's neck (as you did in Part A). Heat the water on a hot plate until the water is boiling. Switch off the hot plate and allow the water to cool down.
Questio	ons:
3.	Describe what happened when the water was heated and what happened when it cooled down.
4.	Explain the difference in the movement and arrangement of water molecules when they are in a liquid
	state and when they are in a gas state.

