

### Purpose:

Explain technically what the mechanism is in a thermometer

### WARMUP :

Fill these in from memory

$$\underline{1000} \text{ mm} = \underline{1} \text{ m}$$

$$\underline{100} \text{ cm} = \underline{1} \text{ m}$$

$$\underline{1} \text{ inch} = \underline{2.54} \text{ cm}$$

#1 What is mp and bp?

mp = melting point

bp = boiling point

#2 Some common Celsius temperatures to know

boiling water =  $100^{\circ}\text{C}$

room temperature =  $21^{\circ}\text{C}$

freezing water =  $0^{\circ}\text{C}$

absolute zero =  $-273$

Know that 'boiling point' (bp) is the temperature when a liquid version of a substance changes into gas.

Know that the melting point of a substance is when a solid changes to a liquid.