

Purpose: What are the parts of a Heating Curve?

warmup: Use your glue-in from Thursday.

"A liquid will boil when its vapor pressure equals the room's ambient pressure."

"If you see ethanol boiling at 70°C the pressure in the room around you must be 70 kPa"

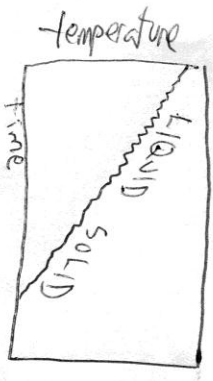
Boiling Point: The temperature that will cause the liquid to boil.

Normal Boiling Point: The temperature at which a liquid will boil when the ambient pressure in the room is 1.00 atm.

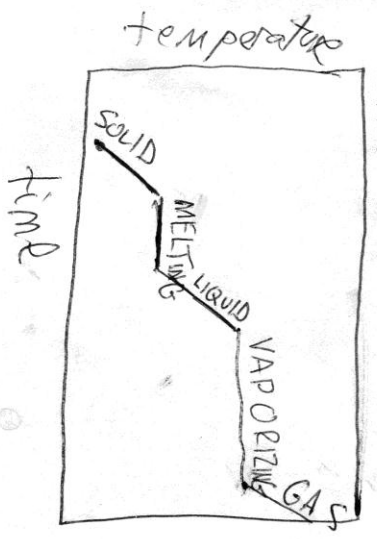
burner, flask

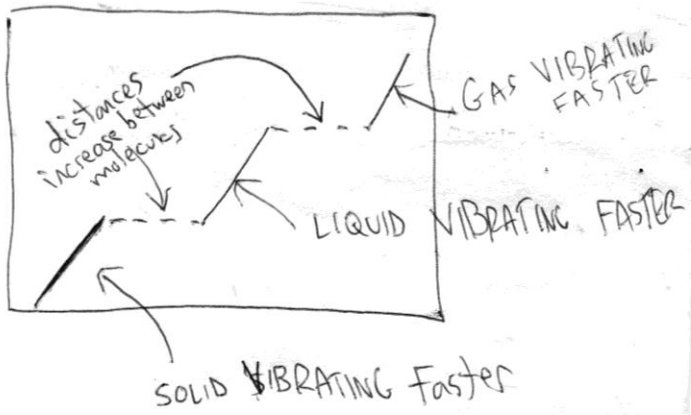
example: The normal boiling point of water is _____
... but the boiling point of water in a 90 kPa room is _____

Wrong way to draw a heating curve:



A typical heating curve. (reverse change of vibrations, change of distance) label





THIS IS NOT A COOLING CURVE. it is a vapor pressure versus temperature graph. Use this only on today's warmup. It has nothing to do with melting .

