









Vapor Pressure is independent of volume Neither the volume of the gas or liquid matter

To have the equilibrium both gas and liquid must be present

Vapor Pressure is a strong function of temperature

The Vapor Pressure is the PARTIAL PRESSURE OF THAT SUBSTANCE!

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Boiling

What is the boiling point?

Definition: The boiling point is temperature at which the vapor pressure is equal to prevailing pressure

What is the normal boiling point?

Definition: The normal boiling point is temperature at which the vapor pressure is equal to 1 atm

Note: at the boiling point the **partial** pressure of the substance is equal to the **total** pressure. It cannot get any higher (its the whole thing). At higher temperatures the liquid would have a higher vapor pressure. To achieve this you need to have a higher total pressure.

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