

## SAMPLE NOTES

2/9 Chem 309

Numerical Properties of Atoms

I. Props. related to temp. & heat

Define melting point:

\*Melting point

-when parts. in a solid move fast enough to overcome forces holding them together-  
temp. at which this happens =  
melting point

What is the freezing point?

\*Freezing point

-temp. at which force attr. particles to one another holds them together

What is heat of fusion?

\*Heat of fusion

-amt. of heat req'd to melt one gram of any substance at its melting pt.

Define boiling point:

\*Boiling point

-pt. at which molecules of a liquid begin to escape as gas

What is heat of vaporization?

\*Heat of vaporization

-amt. of heat req'd to change 1 gram of liq. to gas at boiling pt.

What is condensation?

\*Condensation

-pt. at which cooling gas changes back to liq.