Lab Suilch!

Nort week: 9-Bottles

following weet: colligative props.

Phase Diagrams

Map of the most stable phase @ (P,T)

WATER P = universal

Pe topic point

To Te triple point

To Habe >0°C < 100°C

Later > 100°C

Later > 0°C < 100°C

Te -cnihiral temp.

- if T>Te, cannot liquify gas
by compression.

became thermal energy

(font) is overcoming IMF.

High Te = High IMF.

CO2: Te ~ 372 (I that).

Ch 13 ~ Solution Physical Apperties of soluts.
Solo: Homogeneous mixture of 2 or non component.
Solute is dissolved in Solvent smaller components)
ex: soda water: $O_2(g)$ in $H_2O(e)$ air : $O_2(g) + Arg$ in $N_2(g)$ brine Nac(s) in $H_2O(e)$
bronze Sn(s) in Cu(s)
Definitions: Saturated Sola (max solute)
Concentrated: solute? Dilute: solute L

```
Rule of thumb:
  "Like - dissolves - like"
- Polar soluter "Lite" to dissolve in polar solvent
ex: Nacl H20

ionic dipole-dipole

H-Bonding.
```

Concentration Units Quantitative measures: 3 common units — (1) Recent by mass, %(w/n) (2) Molarity, mol or m (3) Molarity, mol or m