

The two Component Systems.

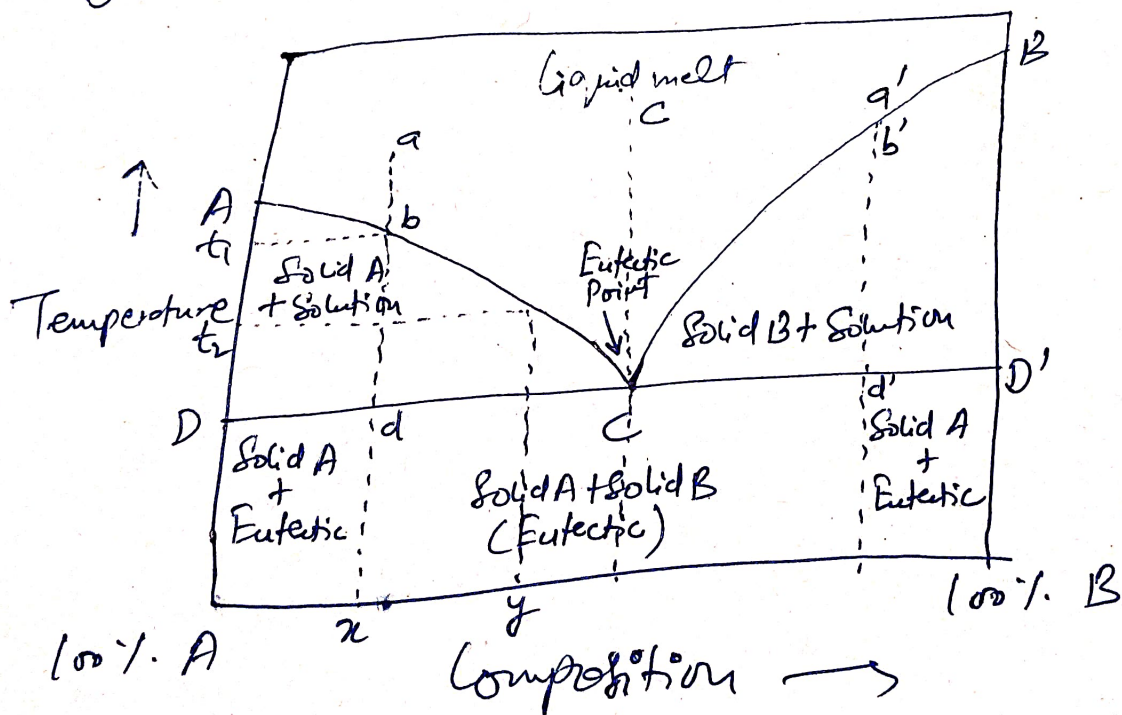
Phase rule for a 2-component system $F = 4 - P$

Cases:-

1. The two components are miscible in the liq. state.
2. The two components are only partially miscible in the liq. state.

First Case

- (A.) The two components are not miscible in the solid state and form a eutectic mixture.
- (B.) The two components form a stable compound with congruent melting points.
- (C.) The two components form a compound with incongruent melting point.



A Simple eutectic system at constant Pressure.