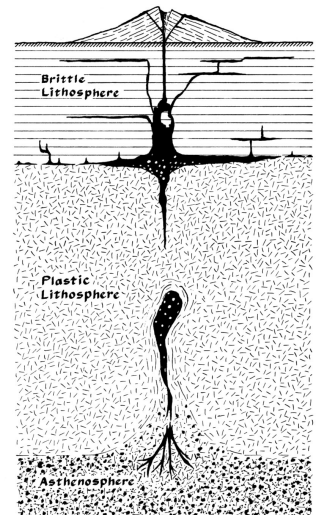


Melting

Best - Chapter 9, pp. 299-215

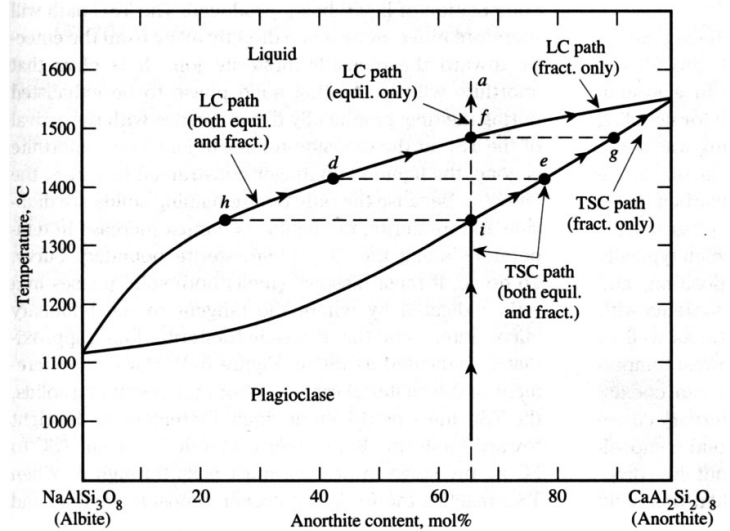
Magma Generation

- Partial melting
 - Upper mantle
 - Deep crust
- Magma density
- Less than surroundings



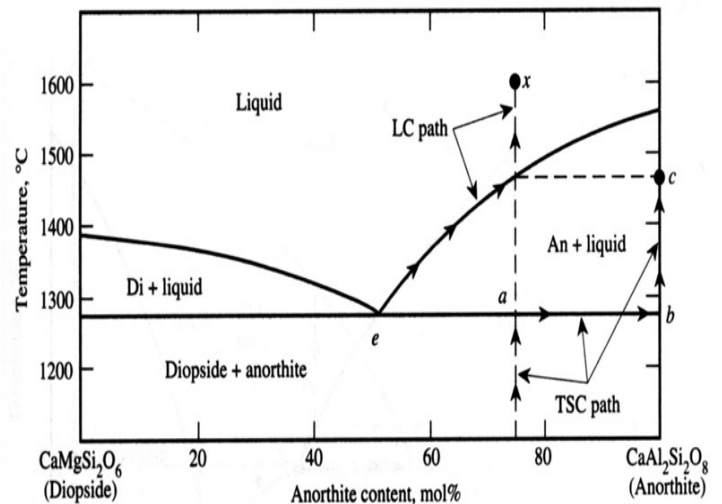
Ab-An System

- Melts are enriched in Na & Si
- Residual is enriched in Ca & Al



Di-An System

- Initial melts have eutectic composition
- Residual enriched in end-member composition



Fo-Q System

- Initial melts have eutectic or peritectic composition
- Residual rock is enriched in Fo or Q, depending on the starting composition

