

Crystal SETTLING

DENSITY

high



low

Fe-Ti Oxides

Olivine

Pyroxene

Amphibole

Biotite

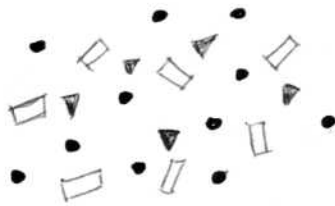
Ca-Plagioclase

} enriched in
iron (Fe)

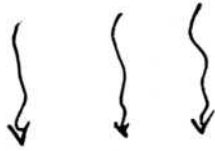
} enriched in Ca

silicate melts
(basalt to rhyolite)

} enriched in
Si, Na
larger volume



Crystal Formation



Crystal SETTLING
(negative buoyancy!)



Layered Bedding

INTRUSION TYPES

