



# MODULE-7\_IGNEOUS PETROLOGY

---

CC5T

3<sup>RD</sup> SEMESTER

DEPT. OF GEOLOGY

APARUPA BANERJEE

More silica

Less silica

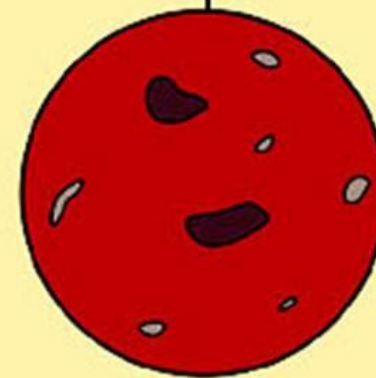
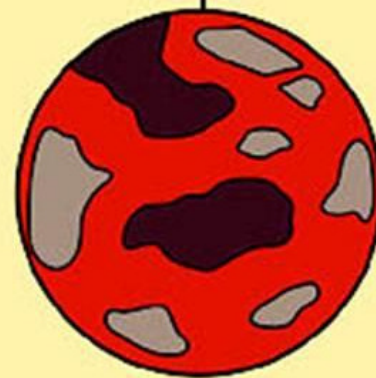
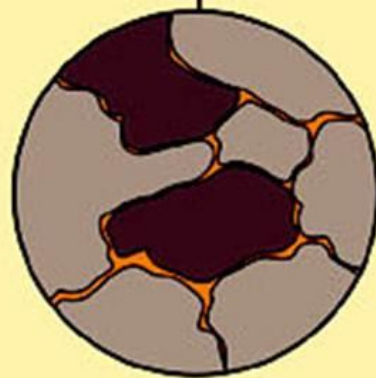
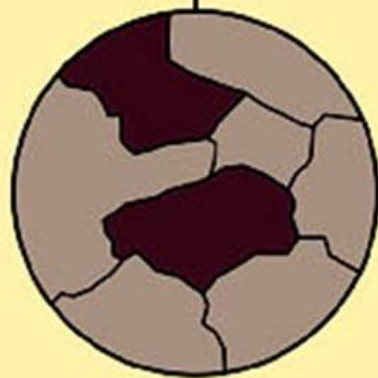
Relative silica content of magma

Temperature

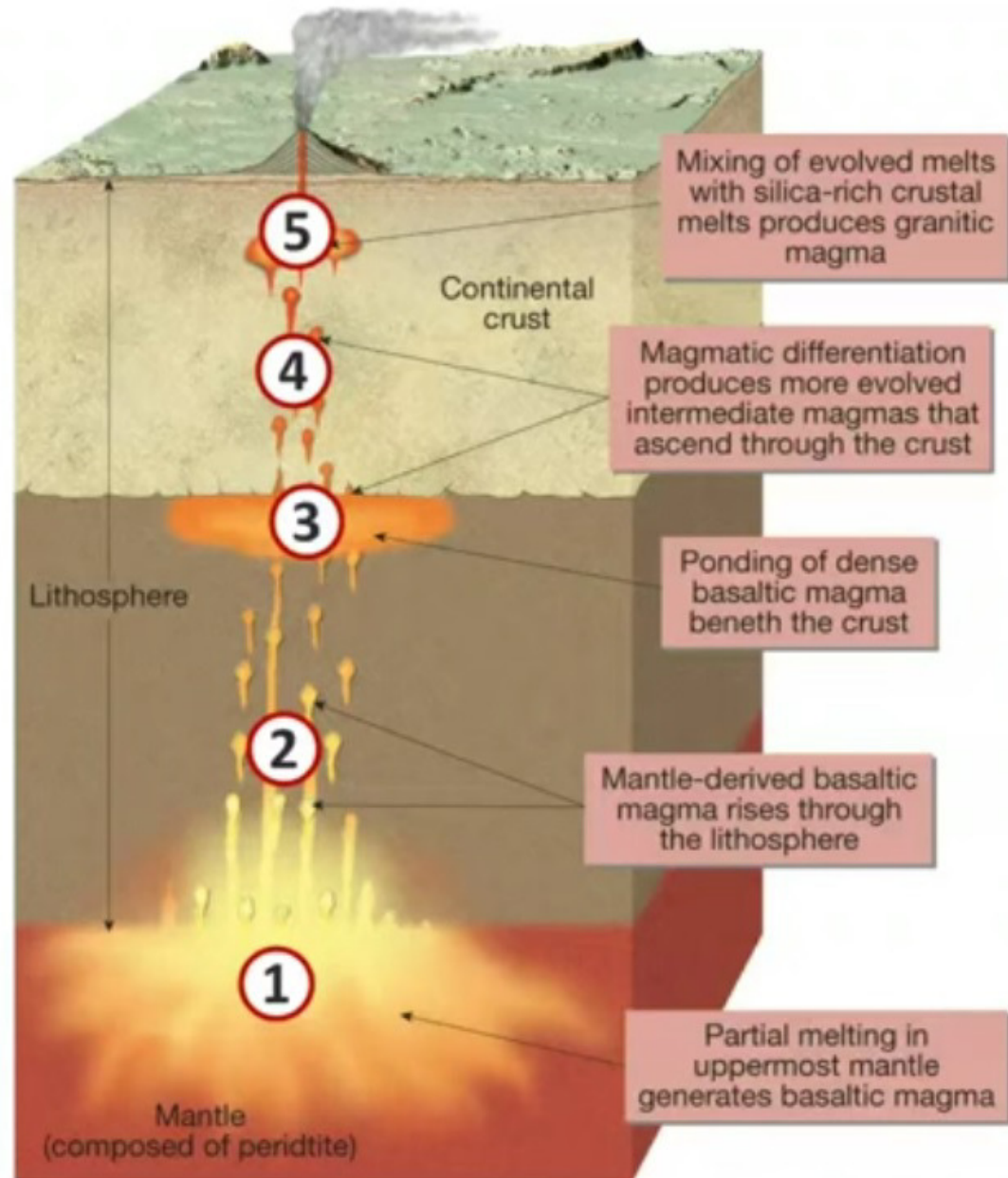
No melt

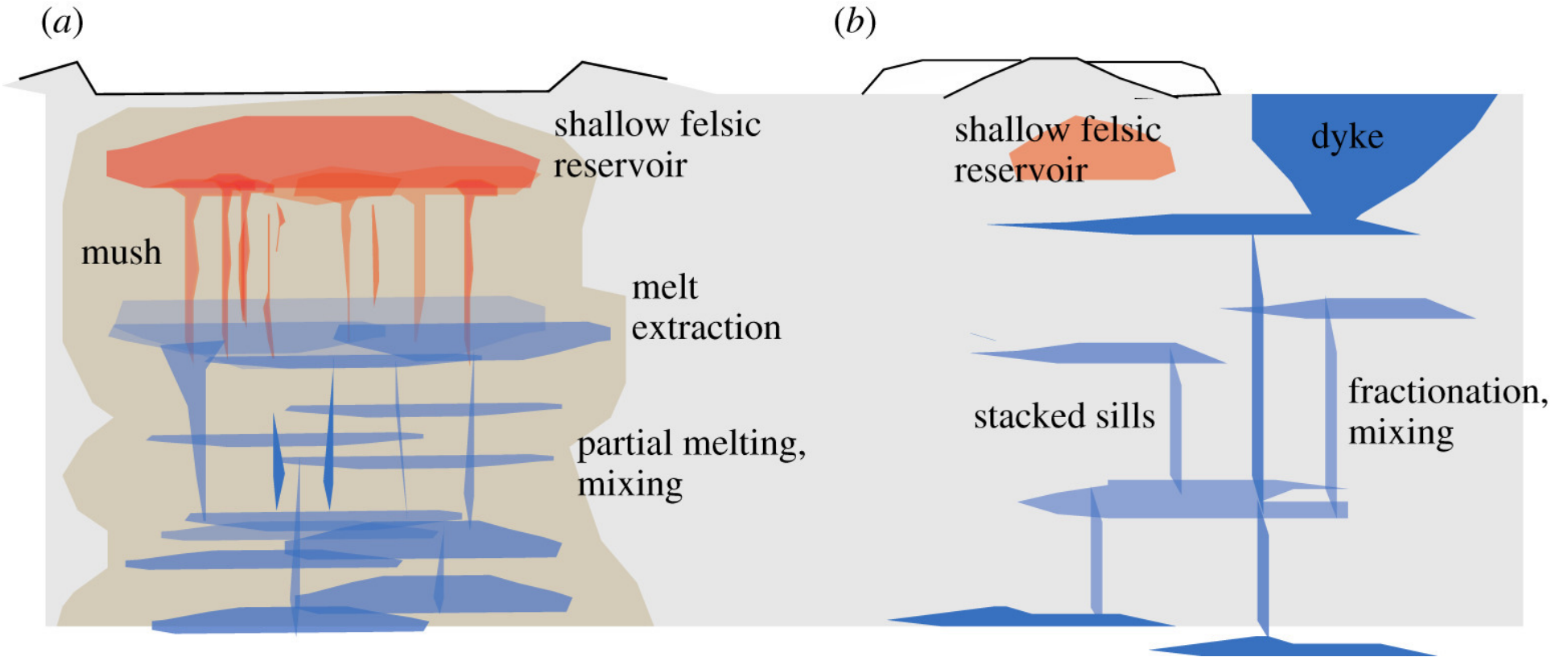
Partial melt

Nearly complete melt



# Magma evolution





# Tectonic Setting of Partial Melting of the Mantle

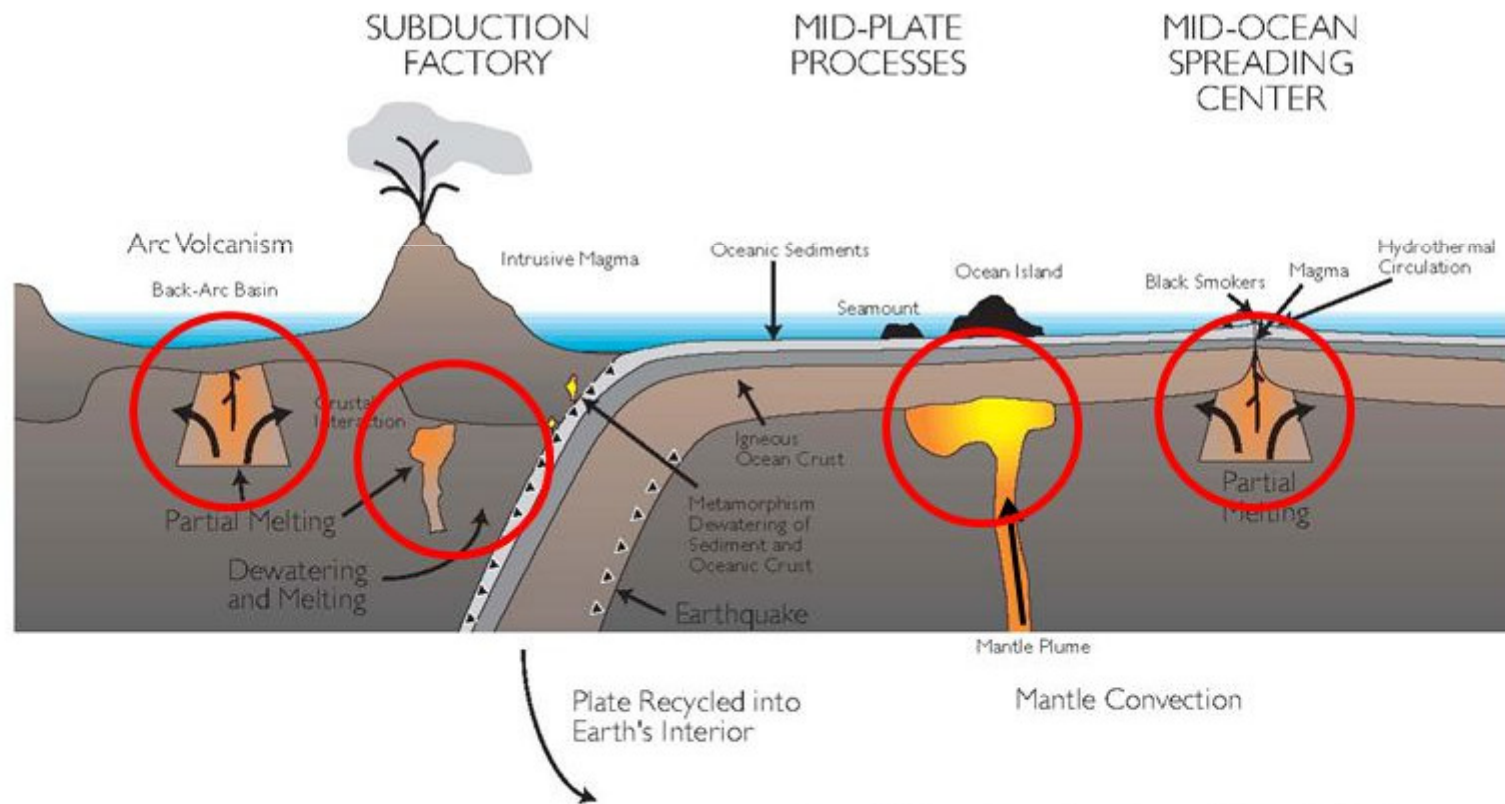
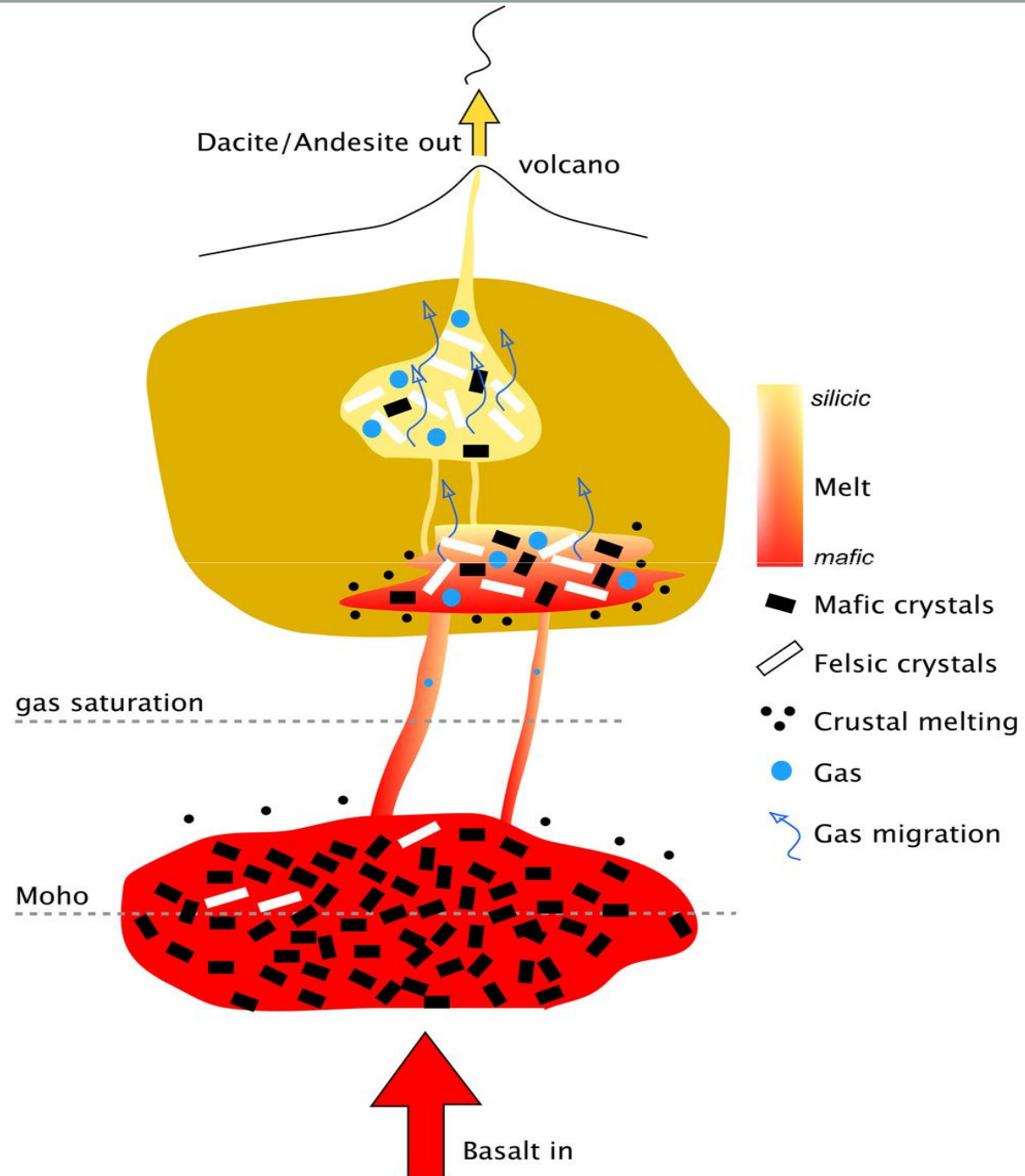


Figure 20. Schematic drawing of the solid Earth's plate tectonics.





THANK YOU

---