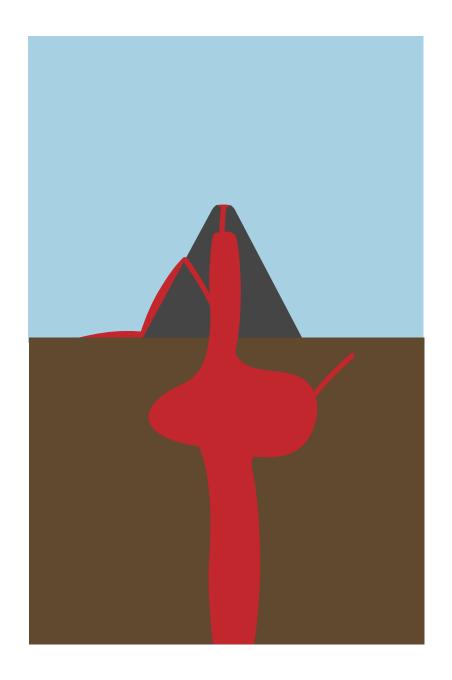
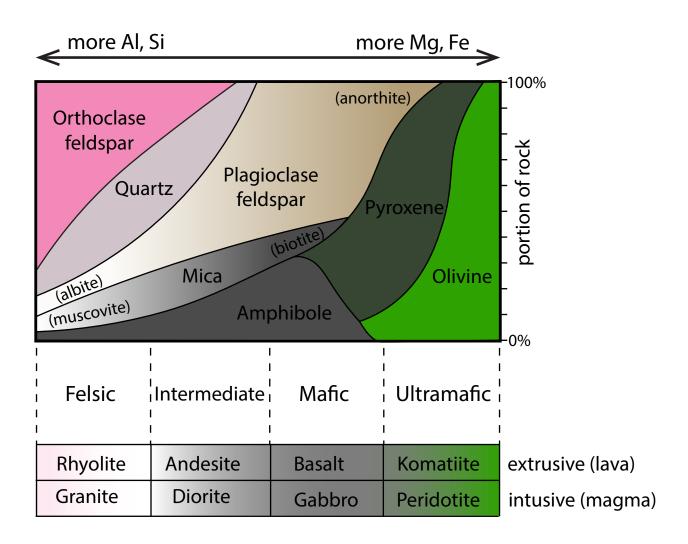
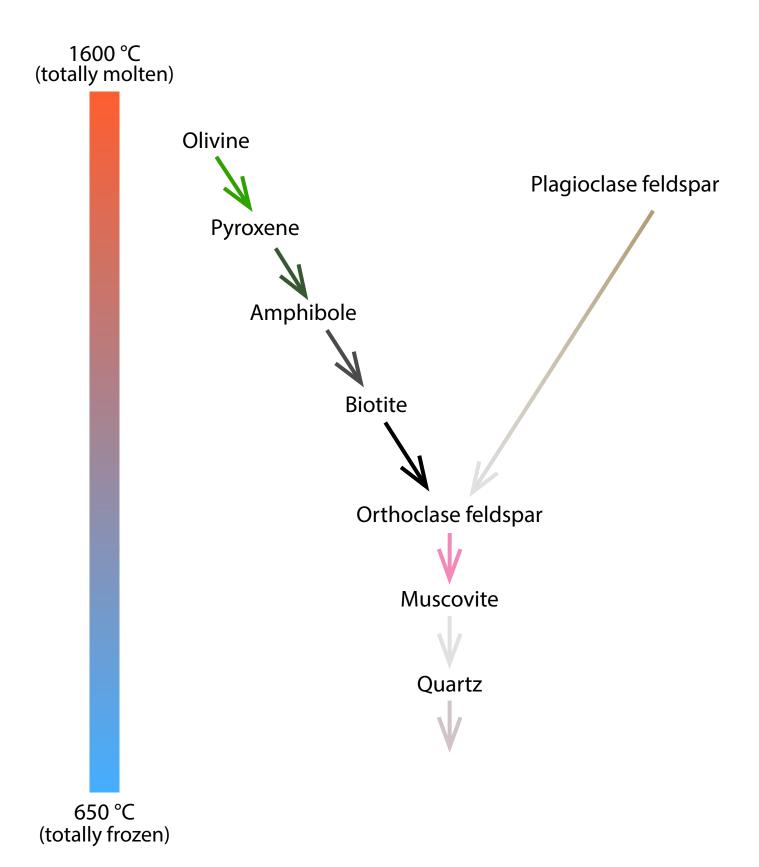
## volcano



#### igneous composition

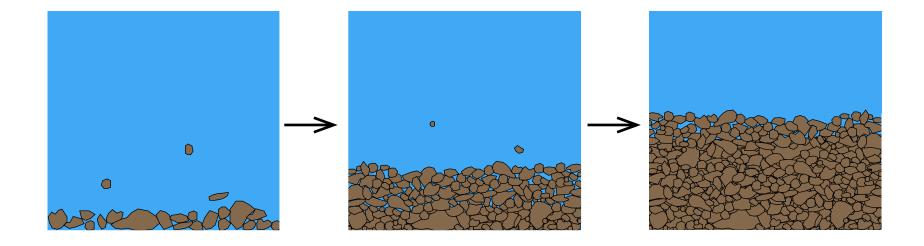


#### Bowen's reaction series



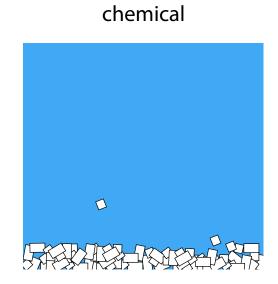
M. C. Brennan

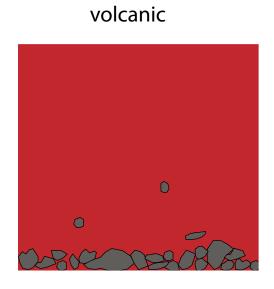
### sedimentation

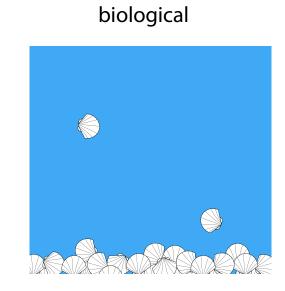


## types of sedimentary rocks

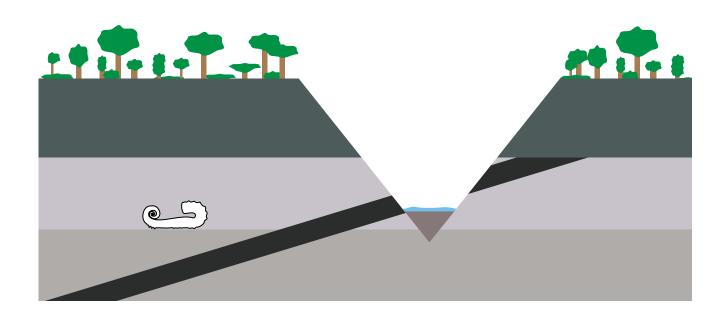
clastic



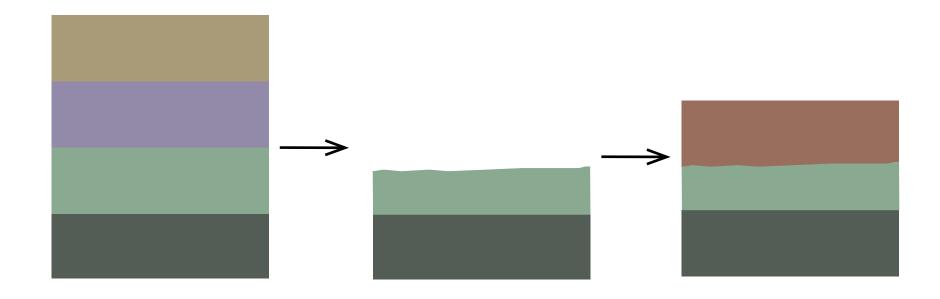




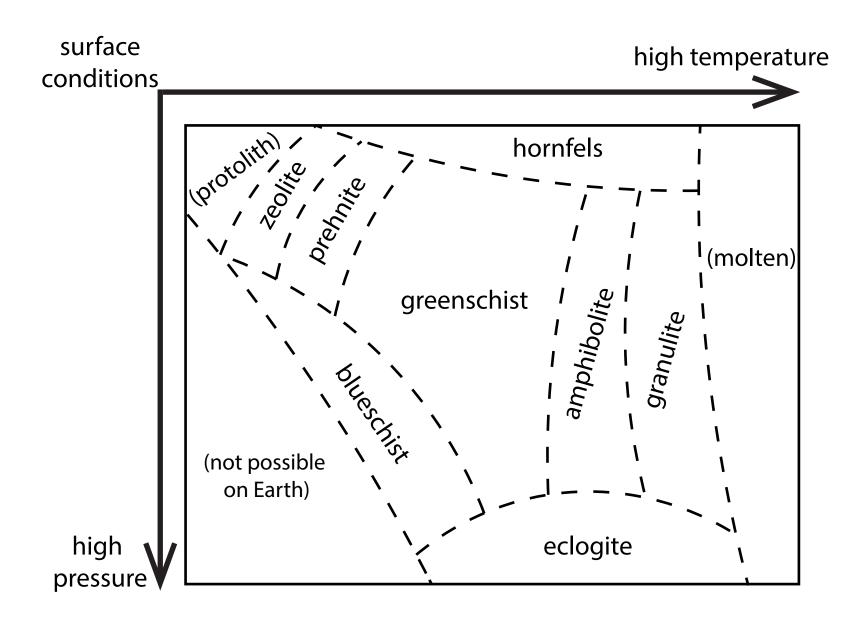
#### cross section



## unconformity

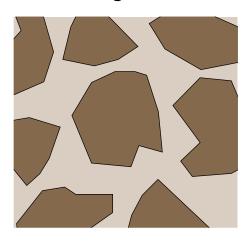


## metamorphic facies

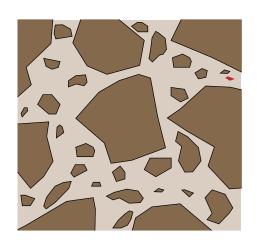


## grain shape and sorting

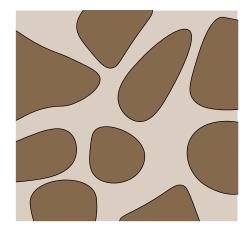
angular



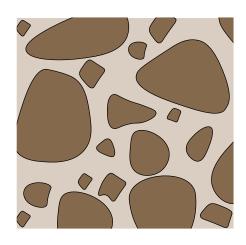
angular & poorly-sorted



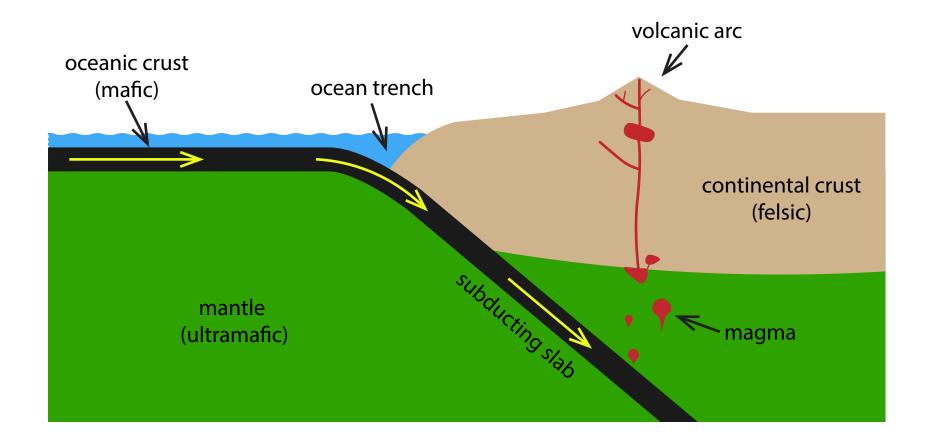
rounded



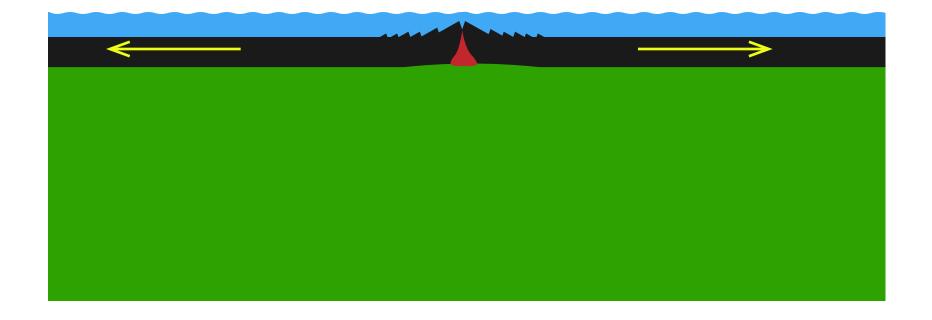
rounded & poorly-sorted



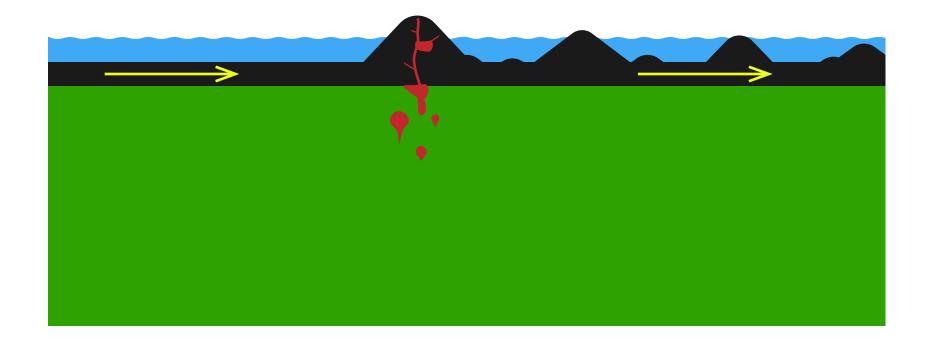
#### subduction zone



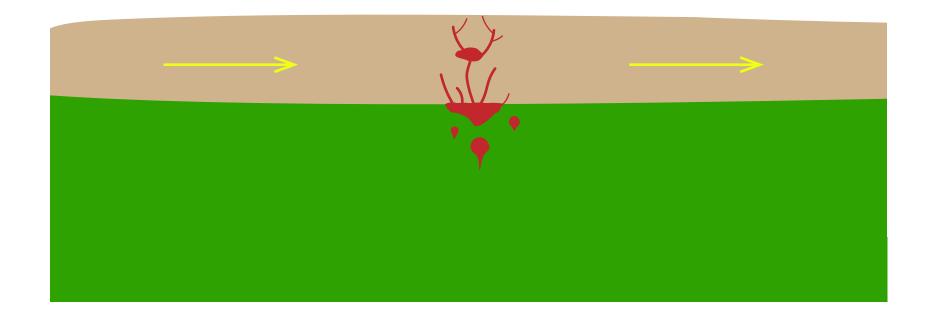
## mid-ocean ridge



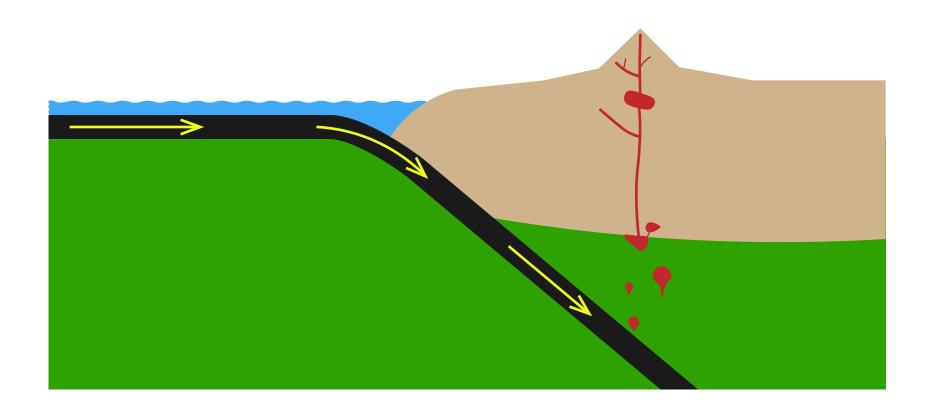
## oceanic hotspot



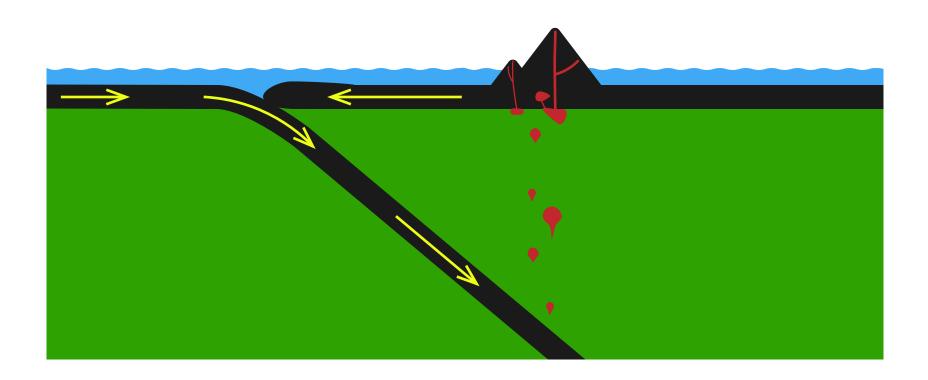
## continental hotspot



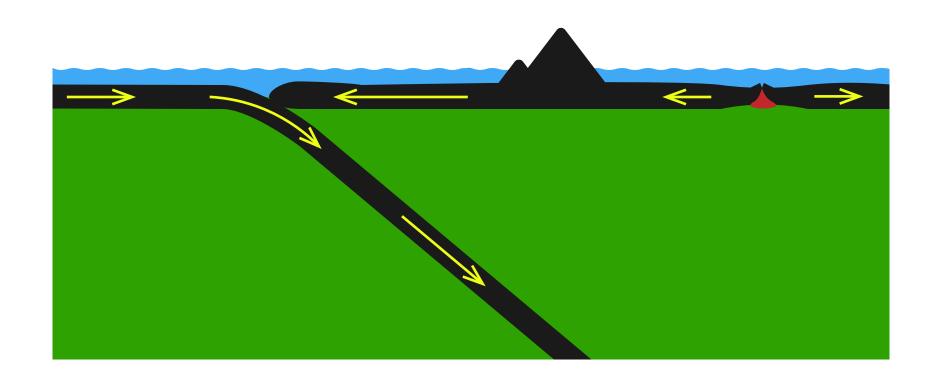
### continental arc



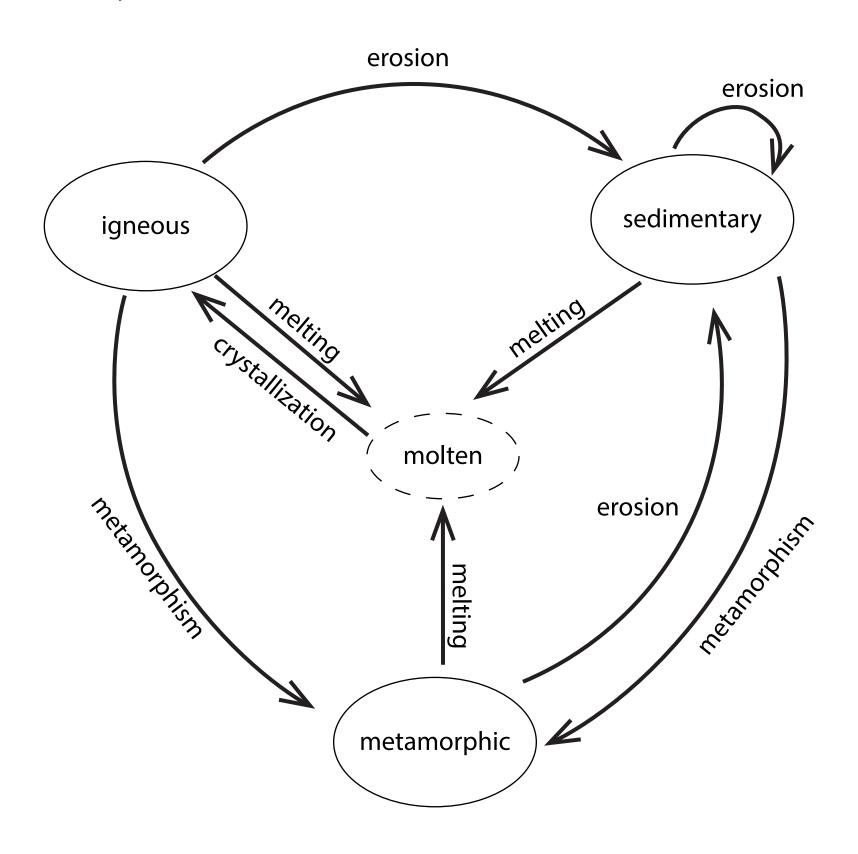
#### oceanic arc



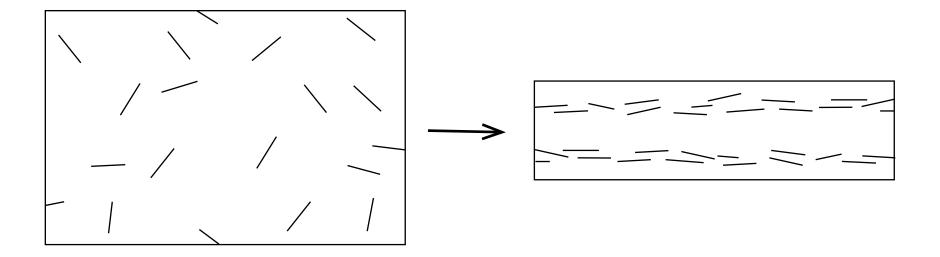
#### oceanic back-arc



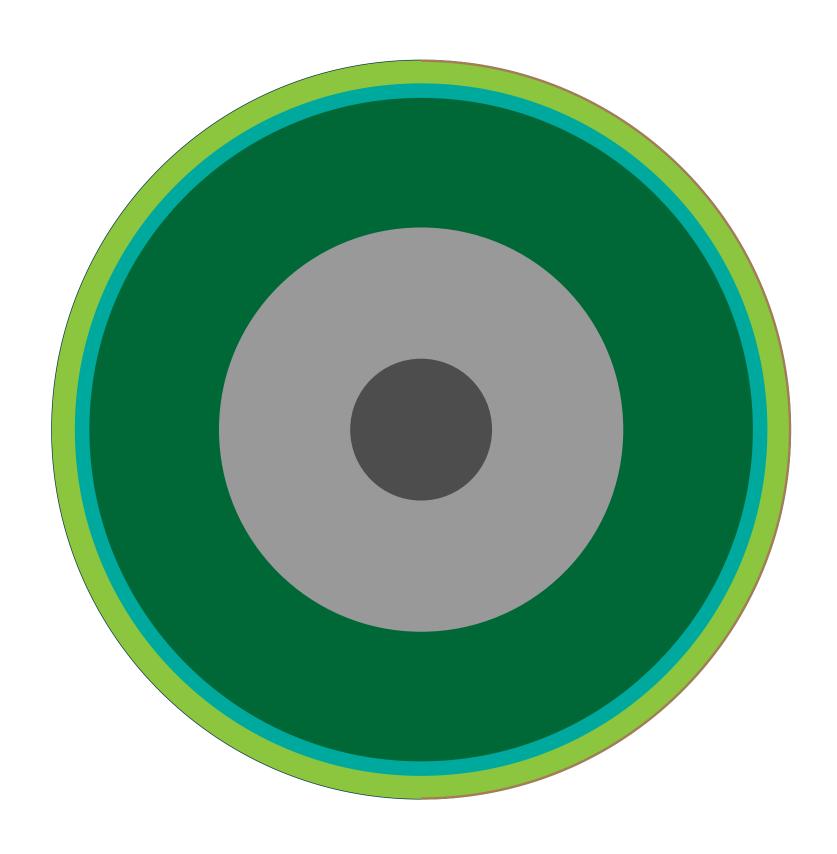
### rock cycle



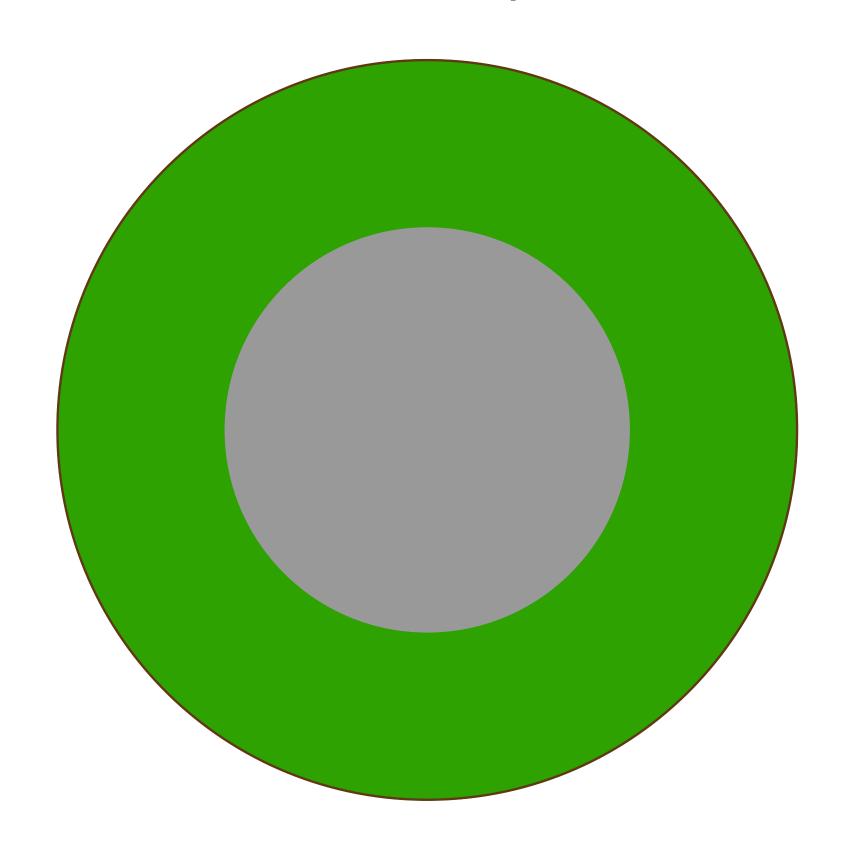
### foliation



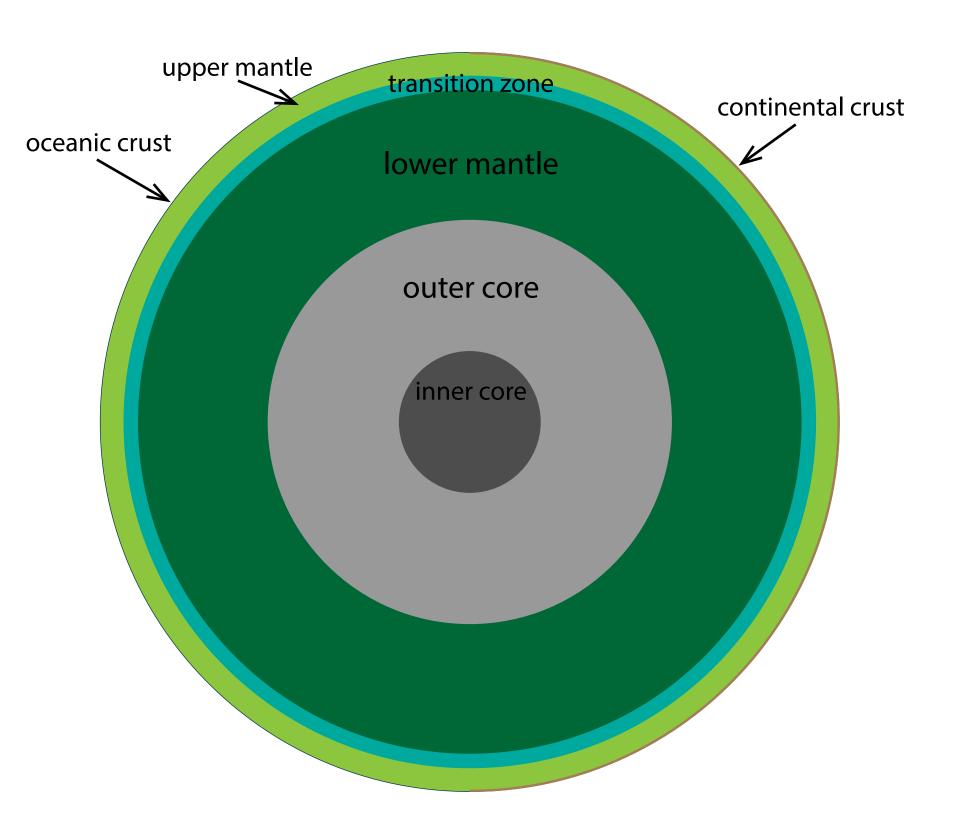
#### Earth cross section



## Earth cross section (simple)



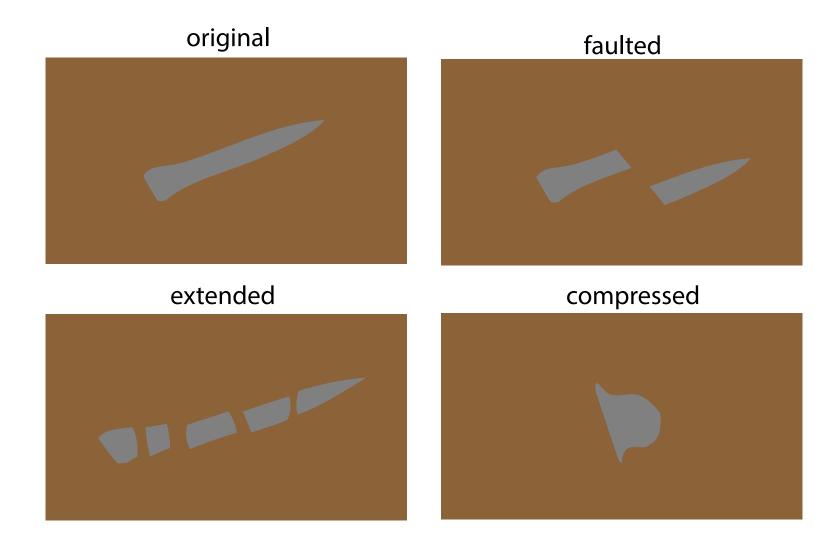
### Earth cross section (labeled)



# sedimentary grain size

Clast diameter (mm)	Clast name	Roc	ck name	
>256	Boulder	Breccia		
64-256	Cobble	(angular clasts)		
2-64	Pebble	or Conglomerate (rounded clasts)		
0.6-2	Sand	Sandstone		
0.004-0.6	Silt	Siltstone	(or Mudstone)	
<0.004	Clay	Claystone	(Or Widdstorie)	

#### Belemnite fossil deformation



### Earth, Moon, Mars (to scale)

