

Metamorphism

Heat and pressure

Can affect any rock





Low-High grade

Solid state change

Hand specimens

First impressions?

Metamorphism

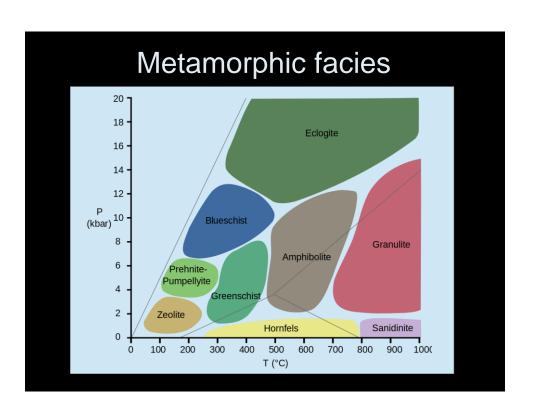
Temperature >200°C

AND/OR

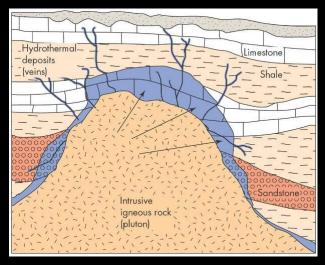
Pressure >300 MPa (3 kbar)

AND/OR

Chemically active fluids

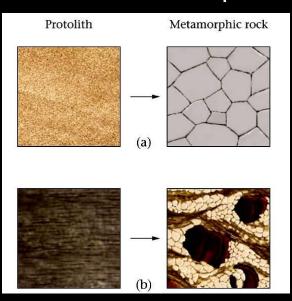


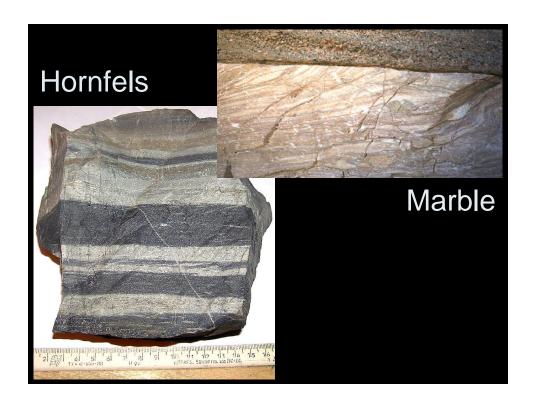
Thermal metamorphism

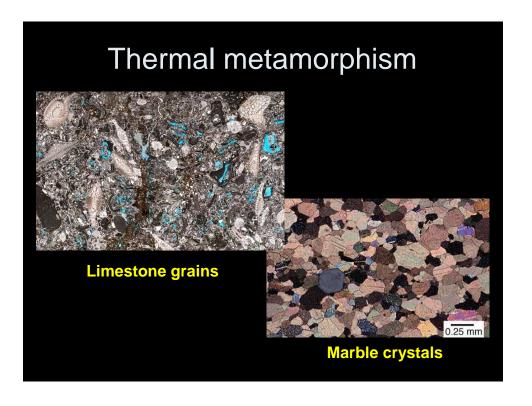


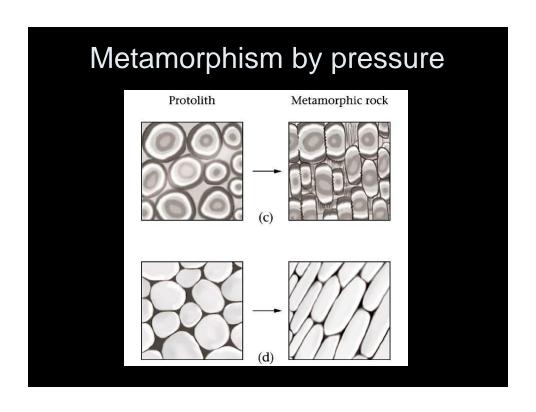
Igneous intrusion bakes surrounding rocks

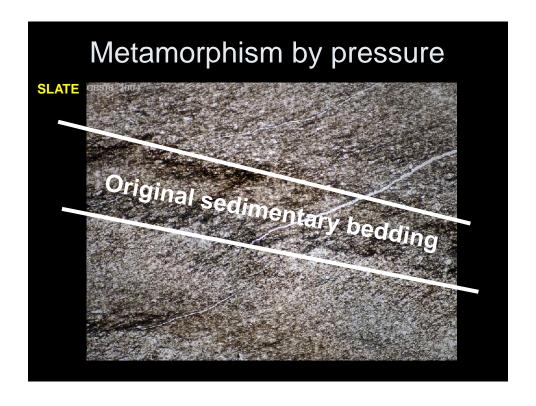
Thermal metamorphism

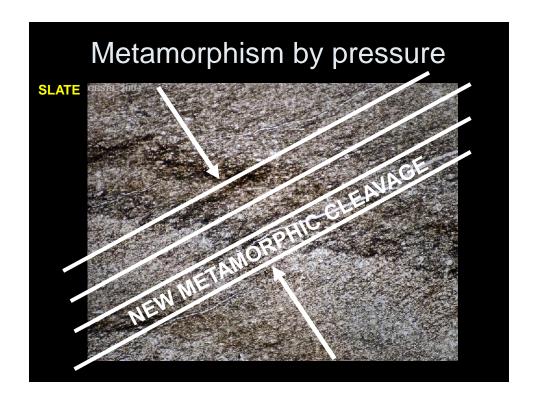


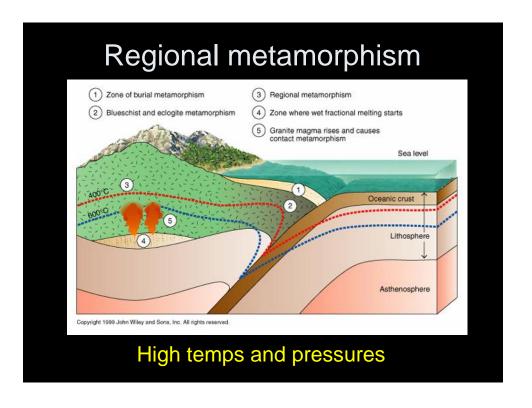


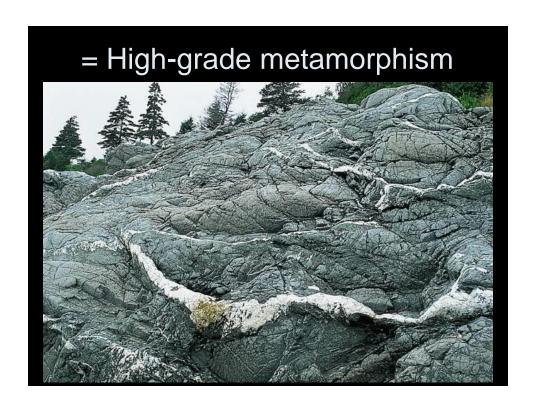


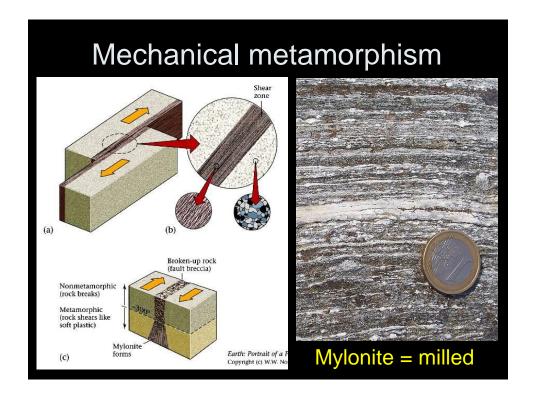








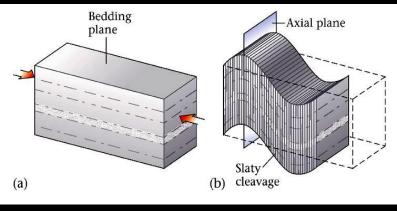








Key metamorphic features Cleavage:



Slaty cleavage



