

Major Relief features

- Continents and ocean basins

Relief of Cont.

- 2 types
- a) active belts

mountain arcs

- b) inactive regions of old stable rock
- --continental shields

- --mnt roots

Relief of Ocean basins

Why look at rocks and minerals?

What are rocks made of?

- 3 main things

Types of Rocks

- 3 types
 - igneous
 - sedimentary
 - metamorphic

Rock Cycle

- change

- agents

I. Igneous Rocks

- magma
- lava

How do you classify igneous rocks?

- Extrusive
- intrusive

Cooling history

- intrusive
- extrusive

Igneous landforms

- Intrusive

- Extr.

Shiprock

II. Sedimentary rock

- sediment

- lithified sediment

2 processes

- Clastic sediments

- Chemical sediments

Historical env. info

- Law of Superposition -

- Stratigraphy

Sorting

- particle size

particle classification

- 1) coarse grained

Conglomerate

- 2) medium grained
- Sandstone
- fine grained
- transported by both fast and slow moving water

Chemical sediments

- not made up of other pieces of rock
- Precipitated from solution
- Evaporite

Metamorphic Rocks

Alignment

- Foliated