

Planet Earth Concept Map

Sudden Change ← → Gradual Change

Earthquakes

Focus
Epicentre
Fault
Seismic waves
Seismograph
Richter Scale

Volcanoes

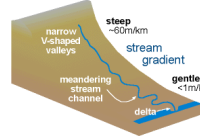
Magma
Lava
Ash plume



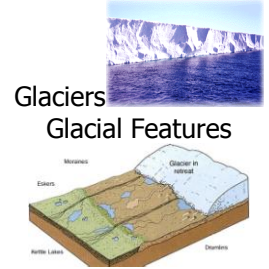
Wind
Weathering
Mechanical
Chemical
Biological
Erosion
Deposition

Water

Erosion
Sedimentation
Fluvial landforms
Landslides



Ice



Continental Drift

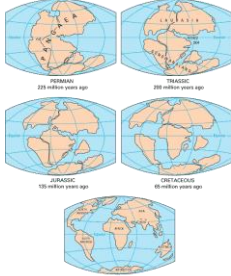
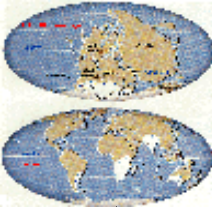


Plate Tectonics



Boundaries

Diverging
Converging
Transform

Mountain Building

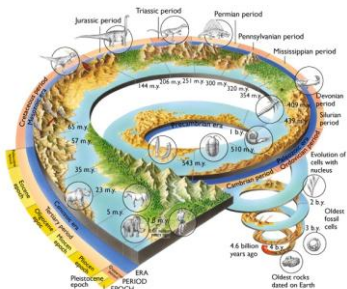
Folding
❖ Anticline
❖ Syncline
Faulting
Buckling

Rocks and Minerals

Identification (Properties)
❖ colour
❖ luster
❖ streak
❖ cleavage
❖ fracture
❖ hardness

Fossil Beds

- ❖ Grand Canyon
- ❖ Burgess Shale
- ❖ North Dakota
- ❖ La Brea Tar Pits
- ❖ Ash Fall
- ❖ Agate Fossil Beds



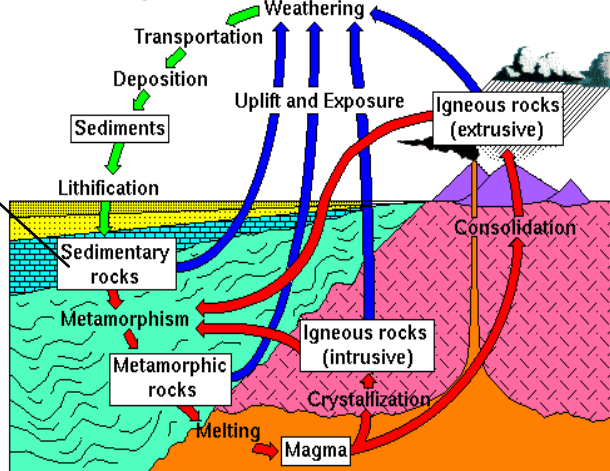
Fossil Types

Cast and Mould
Trace Fossils
Carbonaceous film

Index fossils

GEOLOGICAL TIME SCALE

The Rock Cycle



GEOLOGY

Study of the Earth

Geologist

A scientist who studies the Earth

Geological Tools and Techniques

Surveyor's Level
Transit
Fire suit
Seismogram
Remote Sensing
Geophysical Prospecting
Geochemical Prospecting
Exploration

Paleontologists study early life forms by interpreting animal and plant fossils