

What is Earth Science? University of Windsor



NASA/Science Source

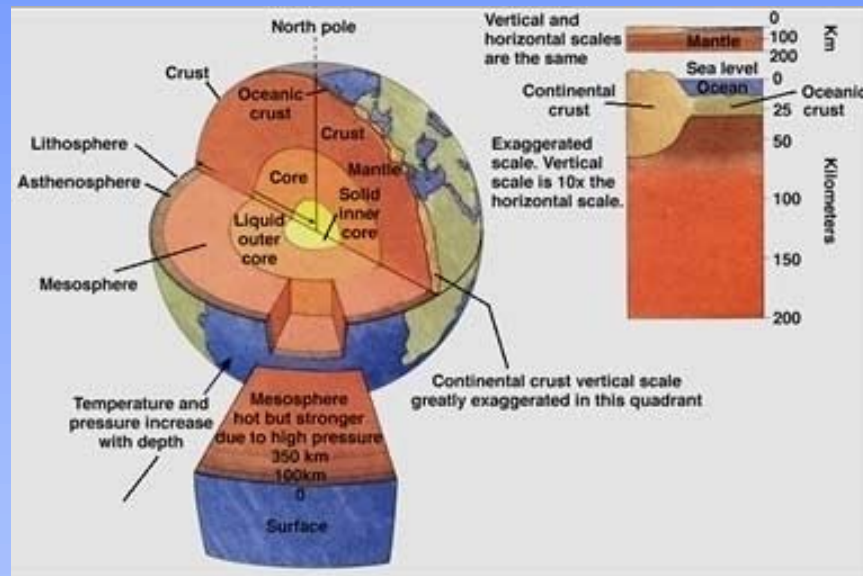
<http://www.uwindsor.ca/earth>

What is Earth Science?

The objectives of Earth Science are to study and understand the planet Earth

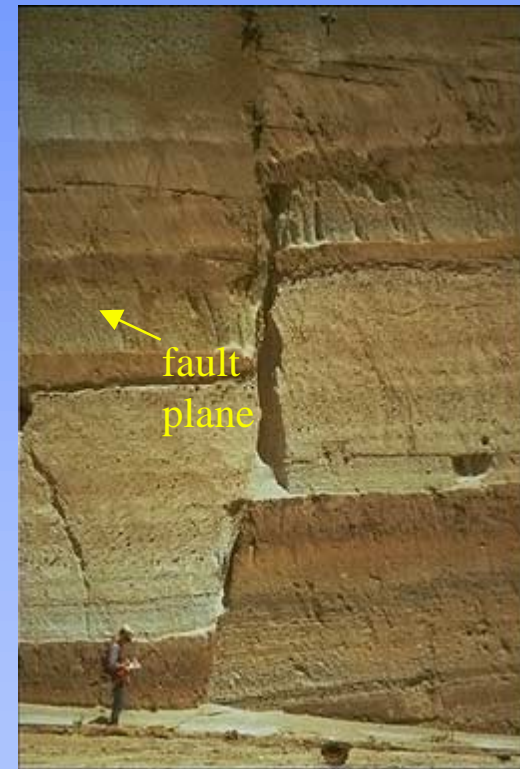


...the physics and chemistry of the planet...



Mt St. Helens, WA

...the processes that operate on
and in the Earth...



...the ways in which the solid Earth, hydrosphere, biosphere and atmosphere interact...

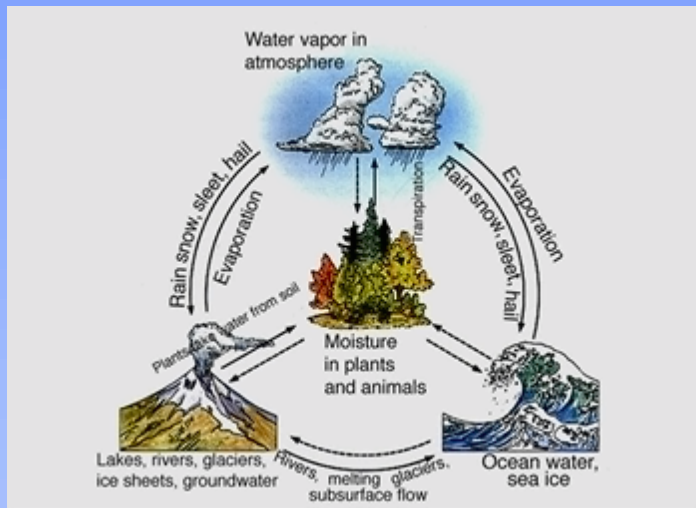


Illustration of exchange of water between reservoirs in the Earth system

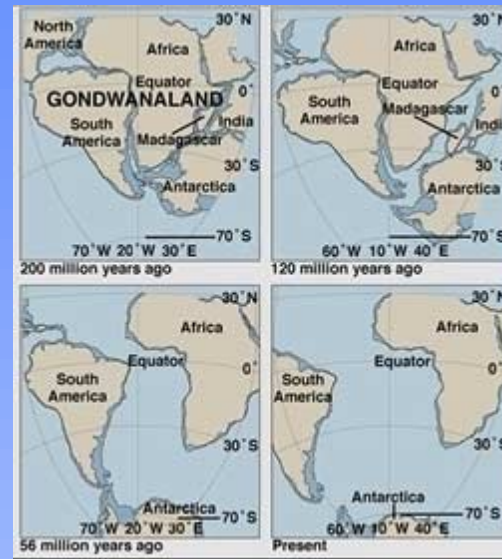


Soils represent an important chemical interface between the atmosphere, biosphere and the solid Earth

...the history of the Earth...



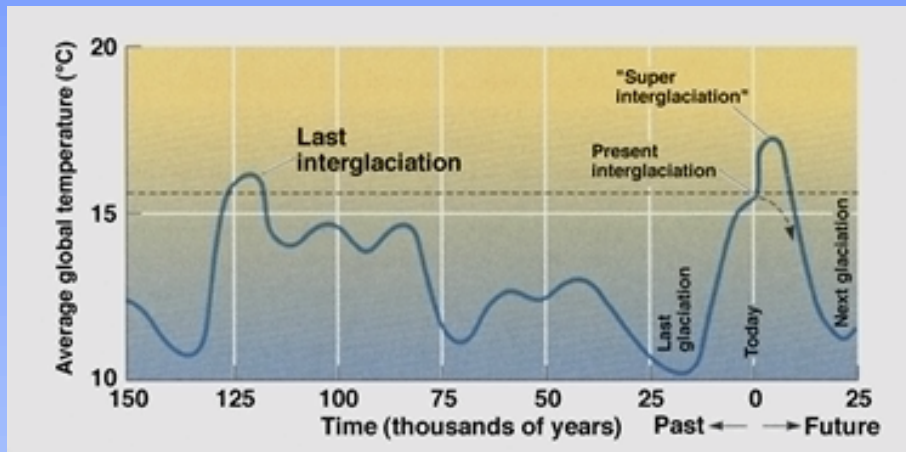
Sedimentary rocks contain the record of the history of the Earth's surface



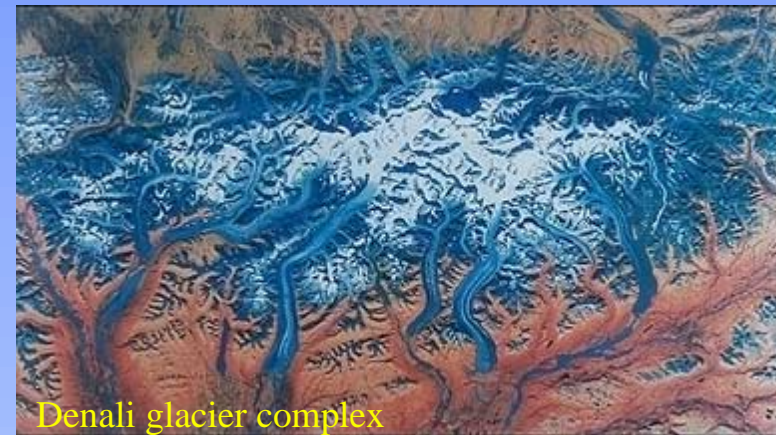
Movements of the continents over the past 200 million years

To understand how the Earth operates and how it will respond to the influence of humans in the future, it is critical to understand how it has behaved in the past.

... and how it will behave in the future...

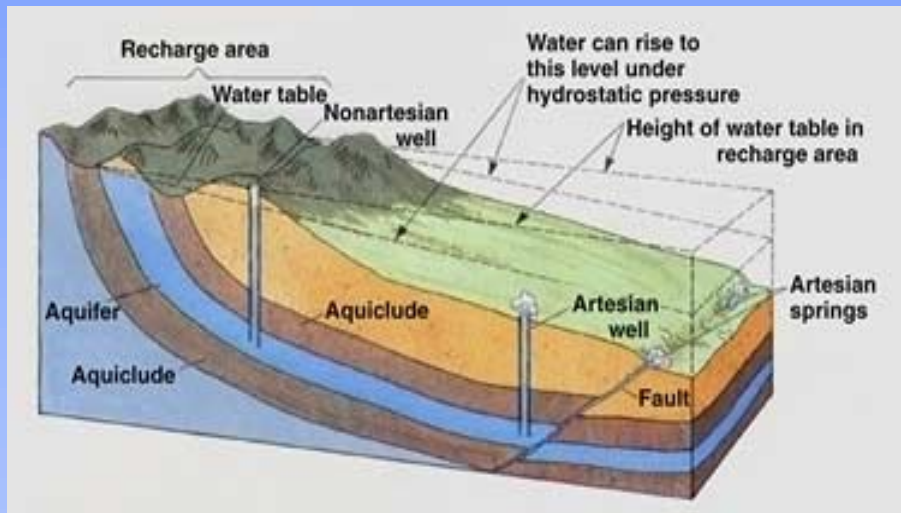


Global temperature over the last 150,000 years and predicted change for the next 25,000 years



Glaciers are important monitors of environmental change

...to find and manage the Earth's natural resources on which our society depends...



groundwater, fuel and mineral resources



Essex County, Ontario
Nasa Skylab 3 photo, 1973

...and to
understand
the nature of
our own
back yard.

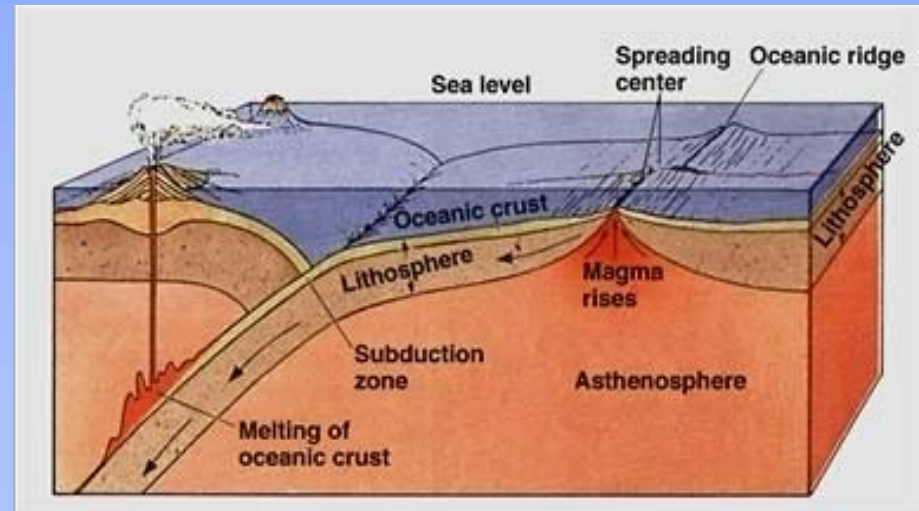
We offer a variety of programs:

- B.Sc. in Geology
- B.Sc. in Environmental Geoscience
- B.Sc. in Earth and Computer Science (Geoinformatics)
- B.Sc. in Physical Geography
- B.Sc. in Environmental Science
- B.E.S. in Environmental Studies
- Co-op degrees



The Earth Sciences Program

Gives a broad training in the Physical and Earth Sciences appropriate for careers in a wide variety of fields



<http://www.uwindsor.ca/earth>