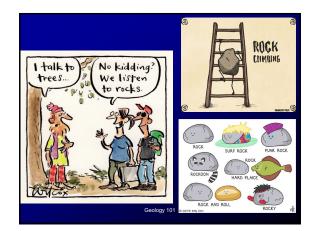


What do geologists do?

- Search for energy resources
- Search for mineral resources
- Building/Construction
- Find clean water and cleanup contaminated water
- Research
- Drink BEER!

SUDDENLY



Energy Resources

- Oil, Natural Gas
 Coal and
 Geothermal Energy
- Geologists are involved in exploring by mapping, drilling and seismic techniques.

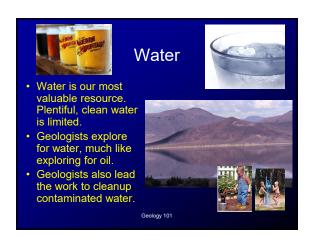


The Geysers geothermal energy field in Santa Rosa, California.

Geology 101











What do I get with a geology degree? With a B.S. in geology you are trained to begin work as a professional geologist. Lots of time outside the classroom and camping. Can be outside when you want and inside the rest of the time.

Possible Titles Hydrogeologist HydrologistGeophysicist Economic Geologist Petroleum Geologist **Engineering Geologist** Volcanology Paleontologist Seismology

 Structural Paleoclimatology Petrology Minerologist

Education

• Law

Geology 101

Geologist

Environmental Geologist

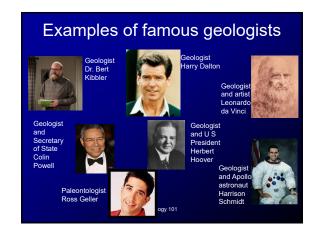
Oceanography

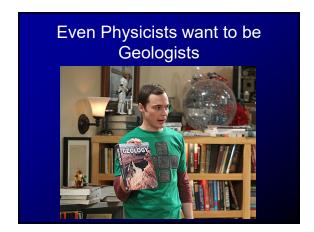
Geochemistry

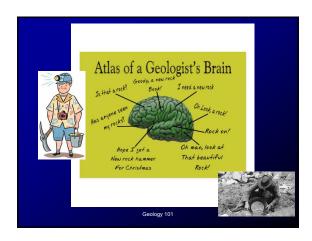
Geotechnical

Geomorphology

Remote Sensing





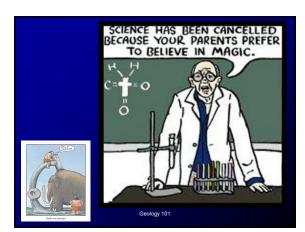


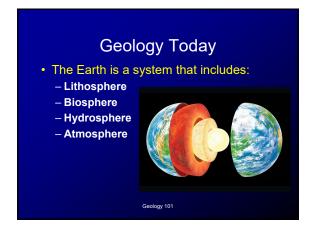
Scientific Process

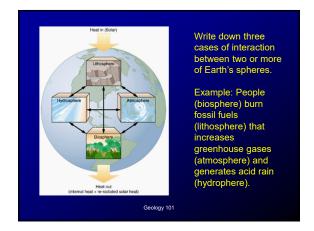
- All geologists use the Scientific Process
 Hypothesis
 Observation or Experiment to test hypothesis

 - Observation or Experiment to test hypothesis
 Conclusion
 Conclusions confirmed many times over
 elevates the concept to <u>Theory</u>.
 Theory of plate tectonics in geology.
 This is not an idea, like we use it in every day
 conversation, but something with little doubt.
 If a Theory is never refuted, it is elevated to a <u>Law</u>.
 Law of Gravity in physics.

Geology 101







How Geologists think

- Geology has become process oriented.
- Uniformitarianism
 - Hutton thought that the present is the key to the past.
- Geologists examine extremely long periods of time
 - Earth is 4.55 billion years old.
 - The dinosaurs died 65 million years ago.
 - Humans appeared 3 million years ago.

Geology 101

