

Chapter 8 note sheet FRQ: 2016 x2

Deep history of life on earth: “click and learn” timeline

http://media.hhmi.org/biointeractive/click/deeptime/?_ga=1.263069900.112043072.1468382583

Module 24

When was: origin of earth, oldest life evidence, oxygen in atmosphere, 1st vertebrates, 1st land plants, largest mass extinction, 1st dinosaurs, 1st humans

What is the theory of plate tectonics? What is the evidence to support the theory?

TedEd The Pangaea Pop-up <http://ed.ted.com/lessons/the-pangaea-pop-up-michael-molina>

How are oceanic plates different from continental plates (material, formation, activity)?

Why is the Ring of Fire important in the study of plate tectonics?

Describe an ecological, environmental, social, and economic impact of plate movement.

Module 25

Physical

Weathering

Chemical

Environmental Benefits

How have humans increased rates of erosion?

What are the 5 factors that determine soil properties?

Describe the development of soil from parent rock to mature soil. How do nutrient values change with age?

How have humans contributed to soil degradation?

Properties of soil:

Physical properties:

-

-

Chemical properties:

-

-

Biological properties:

-

-

Which soil is best for agriculture? Best for containment of pollution?

What is the ideal combination of chemical properties to support high productivity in a soil?

What are the top four elements in the crust?

Table 25.1 Predict potential economic consequences in the US because of unequal distribution of metals.

Coal mining: How do they do it?

<http://www.sciencechannel.com/tv-shows/how-do-they-do-it/videos/how-do-they-do-it-coal-mining/>