

Natural Resources and civilizations – Energy Week

Learning objectives:

- Fossil fuels are linked to the Sun's energy, depositional environments, biology and changes throughout the Earth's history.
- Heat, pressure and time convert organic material to fossil fuel.
- How fossil fuels are recovered
- Pros and cons of non-renewable and renewable energy
- Ancient and modern civilizations depend on energy to create comfortable lives and drive their economies.

Additional content to learn:

- Fossil fuels' energy is originally derived from ancient ____?__ energy trapped in organisms (plant and animal) through photosynthesis.
- The primary factor for the increased use of all energy resources on Earth?
- The largest energy used is typically?
- Biogeochemically conditions well-suited for converting hydrocarbons into oil, Depth/temp.?
- This geologic rock type has the best possibility to serve as an oil and gas reservoir rock.
- The cheapest source of energy in Iowa.
- This is responsible for wasting approximately 25% of our generated electricity.
- Transitioning to electric cars will require an increase in...?
- This country supplies its energy using up to 85% alternative sources.
- Iowa has not used its coal resources since the 1920's because of the resources high____?__ content?