## 6/2/16

FOSSIL & NUCLEAR FUELS - Non Renewable Energy Comparison Chart

Name

COAL
Heavy hydrocarbons Range of hydrocarbons
LAND OCEAN
Sedimentary rock Moves into "traps"
300 - 400 mill years   > 1 million years FOSSIL FUELS FOSSIL FUEL
USA USA Russia
China India
33 47
~ few 100's < 100 years
Syn Fuel Oil sands/shale

## Eknow: Enviro

## Environmental costs and benefits of energy types

Which country / region has the highest reserves for each type of conventional fuel?

In which type of environment does coal form?

In which type of environment does oil form?

In which type of environment does natural gas form?

Which fuel sources power most of the world today?

Renewable resources vs non-renewable resources?

How could a government encourage sustainable energy use?

Which fuel sources are used in developing countries?

How do nuclear reactors produce power? What do they use as a fuel source?

Which energy source would cause a food / energy controversy?

What are the limits and benefits of hydroelectric power?

What are the limits and benefits of solar power?

What are the limits and benefits of wind power?

Know a few examples of highly destructive oil spills from history.

Know a few examples of nuclear disasters from history.

What material is found in oil shale?

Which is the cleanest burning fossil fuel?

Which fuel is carried by the trans-Alaskan pipeline?

Which fuel source is found in the Appalachian Mountains in West Virginia?

What was the Deepwater Horizon extracting?

How does Three Mile Island produce electricity?

Which energy type uses the heat of Earth

Which energy facility can interfere with fish migration

Which energy source has hydrogen and oxygen as the starting materials?

Which energy source can be made from corn or soybeans?

Which is Iceland's main source of energy?

How would a sustainable society emphasize energy sources and consumption?

How does passive solar heating work?