

Fossil Fuels

coal, petroleum, natural gas

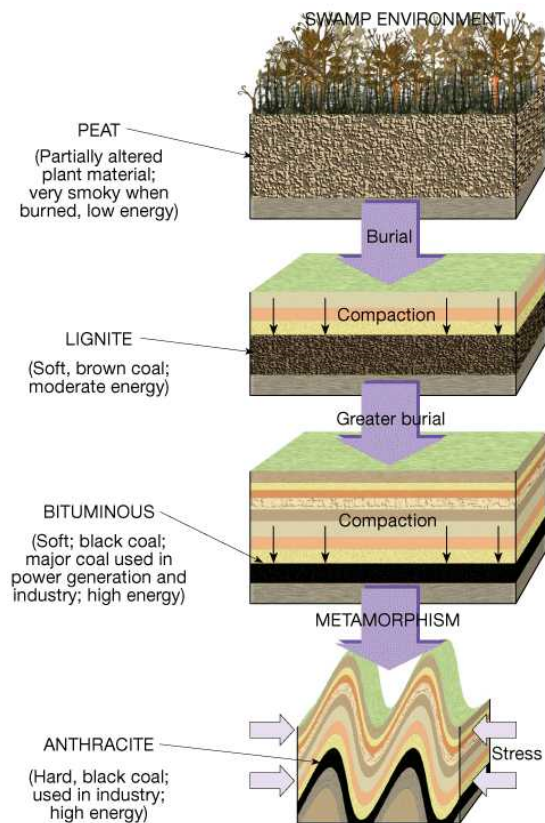
- Remains of plants and animals from millions of years ago
- Carbon energy sources
- Most sources come from sedimentary and metamorphic rock
 - during the **Carboniferous Period**
360-286 million years ago

Coal

Solid brittle sedimentary rock that burns.
Made of **land plants** that lived 100-400 mya.

Four types of coal

- Peat
- Lignite
- Bituminous
- Anthracite



Coal Efficiency 31%

Environmental impacts

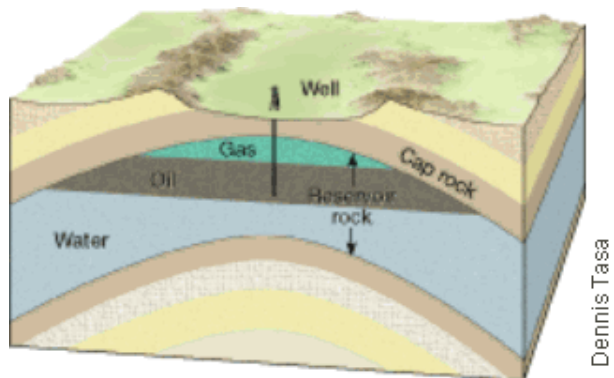
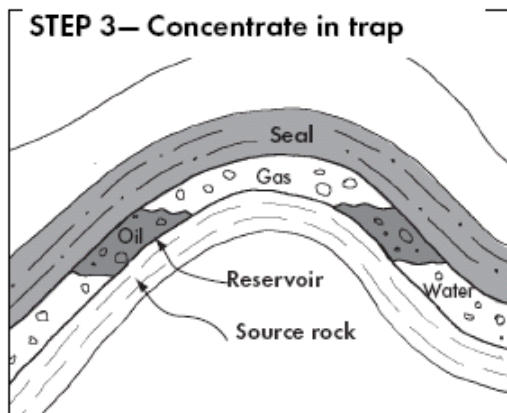
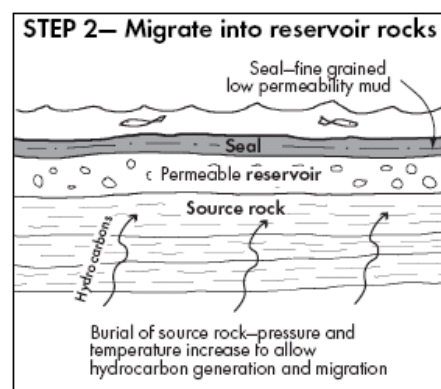
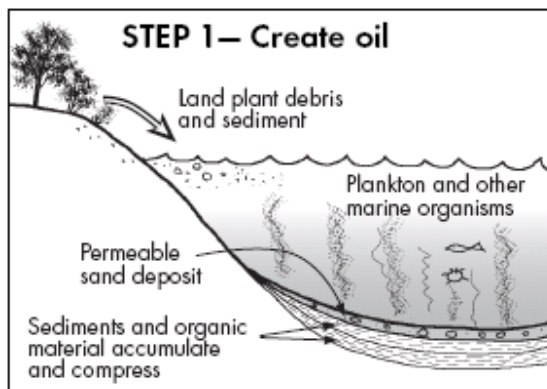
CO_2
and
 H_2SO_4 (acid rain)



"Doug Plummer/Photo Researchers, Inc."

Petroleum and Natural Gas

Made of **plant and animal** remain buries in ancient **seas**.



- Source rock
- Reservoir rock
 - bent over an **anticline**
- Cap rock

Efficiency

Petroleum
30-35%

Natural Gas
60%

Environmental impact

- air pollution
- CO & CO₂

- most environmentally friendly
- CO₂

Fracking - Hydrolic Fracturing

Method of obtaining natural gas from shale layers

