

Forms of Energy

Rush Strong SET

Solar Energy

- Solar energy is radiant energy from the sun.
- Solar energy is renewable.
- Mostly used for light, heat, and electricity.

By: Walter Tate



The sun radiates more energy in one second than people have used since the beginning of time!



Coal

By: Rachel Jeffers

- **Fossil fuel**



- **Nonrenewable**

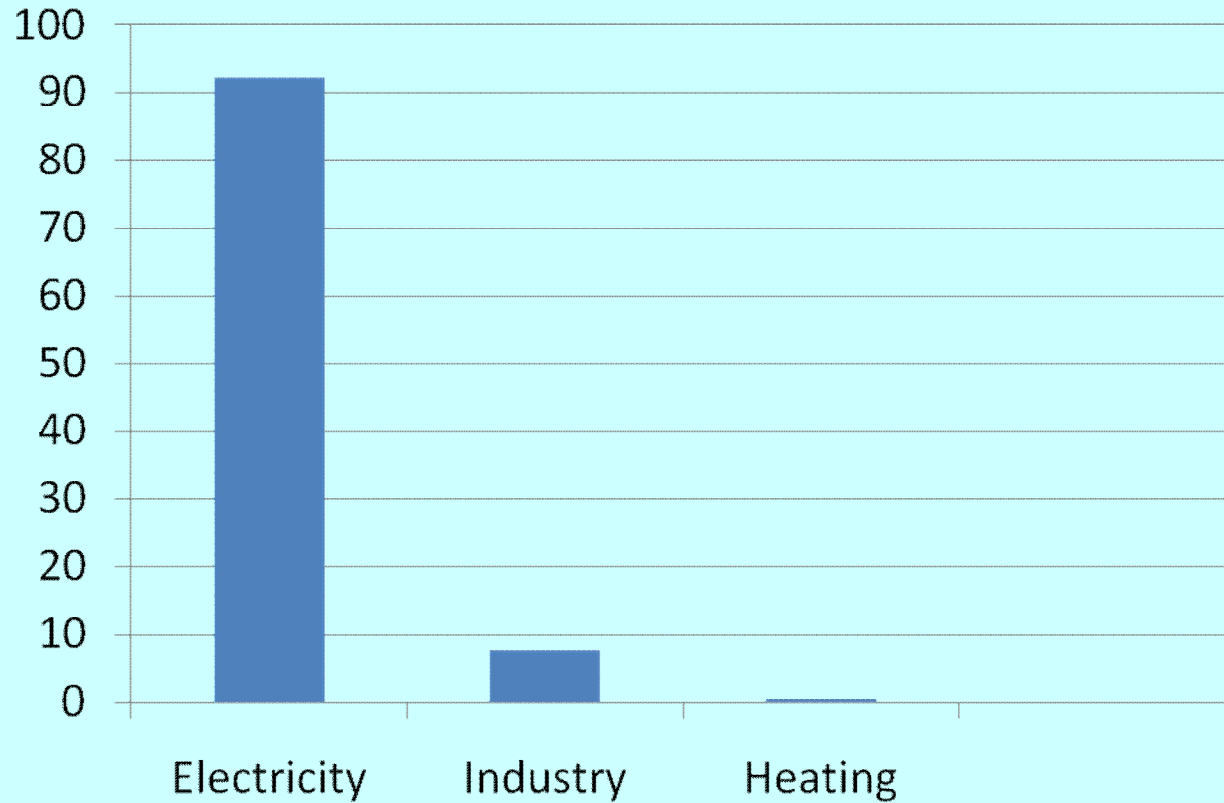
- **Created from the remains of plants about 100-400 million years ago.**

**Coal's major uses are
electricity and industry.**

**Became a powerhouse by
the 1800s.**



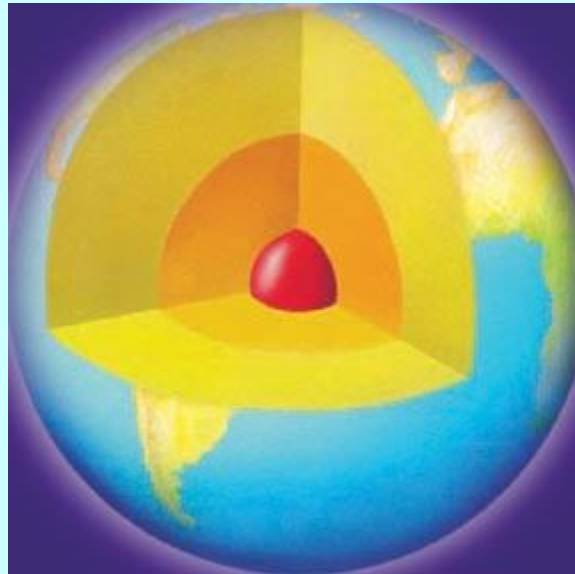
U.S. Coal Consumption



Geothermal Energy

By: Sadie Bales

Geothermal energy is heat inside the earth.



Geothermal comes from
the Greek words *geo*
[earth] and *therme* [heat].



Geothermal energy...

- Renewable
- Mostly used for heat and electricity
- Ancient peoples including the Romans, Chinese, and Native Americans have used naturally occurring, hot mineral springs for bathing, cooking, and heating.

Biomass

By: Chelsey Clark

Biomass
is any
organic
matter
or
anything
alive.



Examples of

- Wood biomass
- Crops
- Seaweed
- Animal wastes
- Sawdust
- Corncobs
- Ethanol

- Biomass is renewable.
- We use biomass every day.
- Biomass can be used to make electricity.

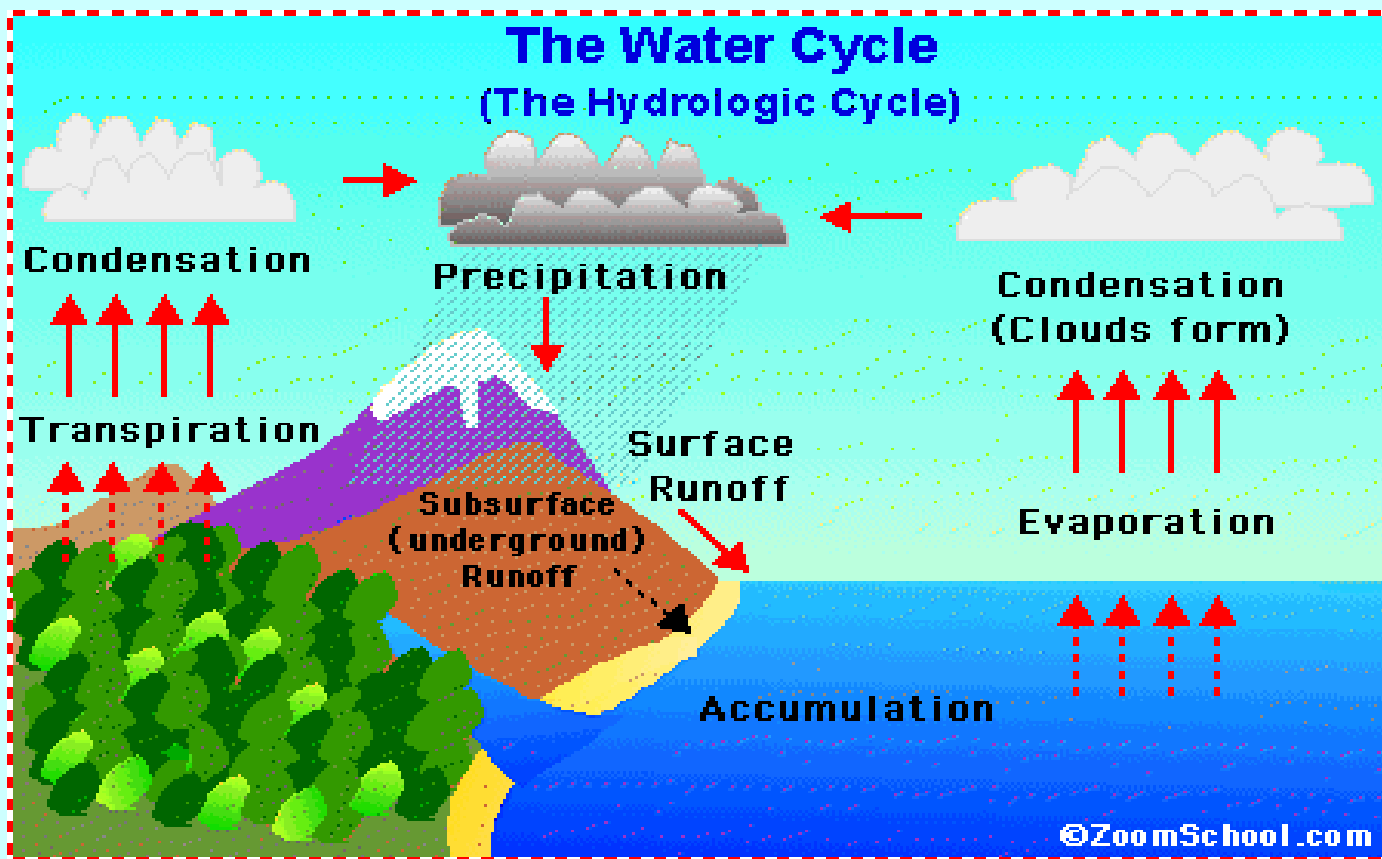
Biomass is mainly used for electricity, transportation fuel, and heating.



Hydropower

By: Brooke Wallen

Hydropower is the energy made from moving water.



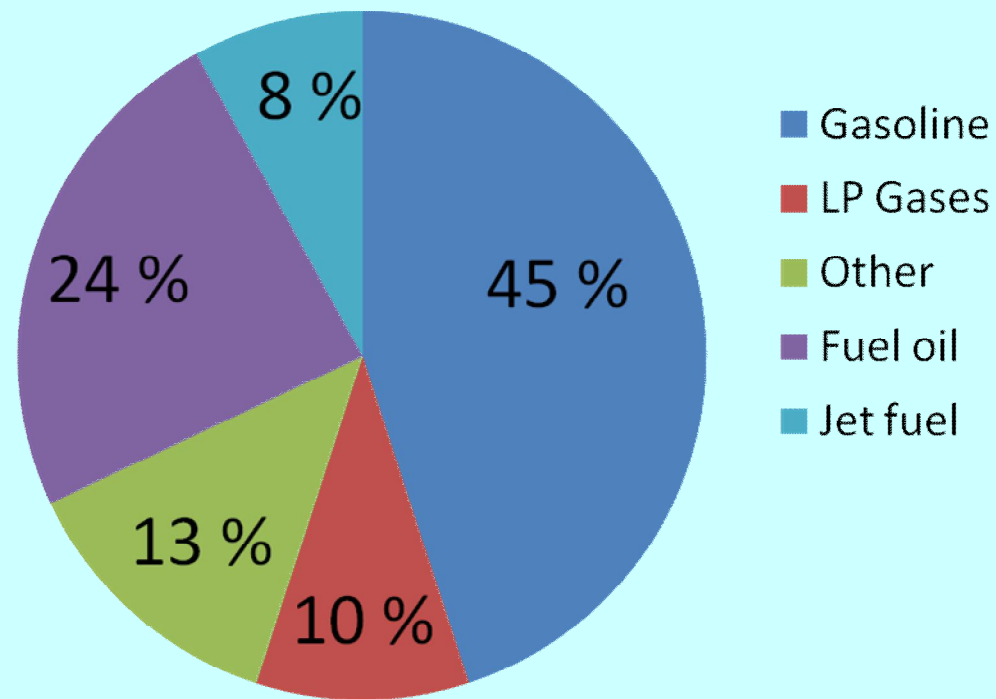
- Hydropower is a renewable resource.
- The Ancient Greeks used hydropower to grind wheat into flour more than 2,000 years ago.
- Only about 5-10 % of all electricity in the U.S. is produced from hydropower.

Petroleum

By: Kelly Pickering

- **Nonrenewable**
- **Fossil fuel**
- **Takes millions of years to form.**
- **The Ancient Chinese and Egyptians burned oil for light.**

Petroleum Products



Since WW II, petroleum has replaced coal as the leading source of energy used by the United States.



Petroleum provides
21.6 % of our total
energy needs.

Uranium

By: Laura Heath



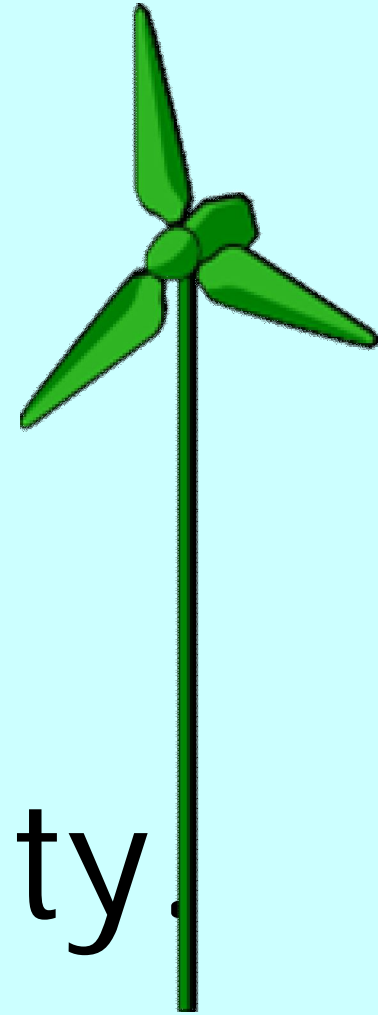
- Uranium is found in rocks all over the world.
- It is used in nuclear power plants.
 - It is nonrenewable.
- Nuclear energy comes from the nucleus of an atom.
 - Mainly used for electricity.

Wind

By: Jace Mitcham



- Renewable



- Mainly used to generate electricity.

Natural Gas



By: Lauren Barnard

Natural gas is:

- A fossil fuel
- Nonrenewable
- Has methane gas as the main ingredient.
- Odorless, colorless, and tasteless.

Natural gas companies add
mercaptan,
which smells like rotten
eggs, to natural gas so leaks
can be detected.

Texas is the leading state
in natural gas production.

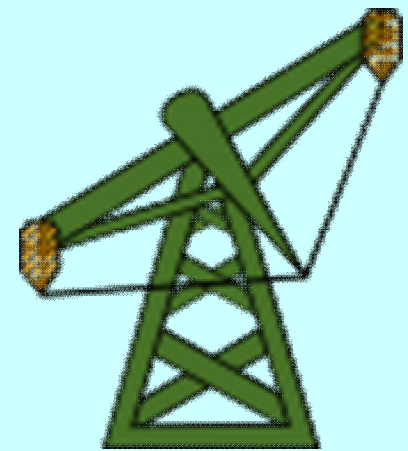
Natural gas ranks third
in consumption by
Americans after
petroleum and coal.

Industry is the main consumer of natural gas:

- Fertilizer
- Film
- Ink
- Glue
- Paint
- Plastics
- Laundry detergents

Propane

by: Kelly Pickering



Propane is similar to natural gas because you can't see it or smell it, but it can be burned to produce heat.

Propane is derived
from natural gas
and petroleum.



- Propane is a fossil fuel.
- We use propane every day.
- Nonrenewable

