

# PETROLEUM

- My major use is for transportation.
- Burning me contributes to air pollution.
- Most of me is refined into gasoline.
- I'm the most consumed source of energy in the U.S.
- Texas, New Mexico, and North Dakota are the leading states that produce me.
- The United States is the world's top producer of me.

# COAL

- I generate 19.5 percent of the nation's electricity.
  - I'm transported mostly by trains.
- Efforts are made to remove sulfur from me.
  - I'm America's most abundant fossil fuel.
  - I'm removed from the ground by surface mining and deep mining.
- Wyoming, West Virginia, and Pennsylvania are states that produce me.

# NATURAL GAS

- I heat almost half of the nation's homes.
  - I'm colorless and odorless.
  - My chemical name is methane.
- I supply 39.8 percent of the nation's electricity
  - more than any other energy source.
- I burn more cleanly than other fossil fuels.
  - I'm transported mostly by pipeline.

# URANIUM

- I'm the nation's third leading source for generating electricity.
- I'm presently being used in 92 reactors in the U.S.
- I was first used in 1957 to make electricity.
- My energy is released during nuclear fission.
- The U.S. leads the world in production of electricity from me.
- My power plants store my spent fuel waste products on site.

# PROPANE

- I'm colorless and odorless.
- My supply comes from processing natural gas and petroleum.
- I'm often used in rural areas and on farms.
  - I'm a portable source of heat energy.
- I'm used as a feedstock in the petrochemical industry.
  - I'm normally stored under pressure.

# HYDROPOWER

- I supply 6.0 percent of U.S. electricity, depending on the amount of rainfall.
- I'm limited to certain geographic areas
- I provide 15-20 percent of the world's electricity.
- I'm being used in over 2,500 locations in the U.S.
- My facilities can disrupt wildlife and fish populations.
- I require the Earth's gravity to work.

# BIOMASS

- Methane gas can be made from me.
- Photosynthesis stores radiant energy in me.
- I get my energy from wood, garbage, and agricultural waste.
- Ethanol can be made from me and used as a transportation fuel.
- Burning me can produce air pollution.

# GEO THERMAL

- I produce less than one percent of U.S. energy.
  - I'm used mainly in western states.
- I can be used for home heating & cooling.
  - My energy comes from the Earth's core.
- My major use is the production of electricity.
  - I get my energy as a result of radioactive decay.



# WIND

- Most of my electricity is from Texas, Iowa, and Oklahoma.
- I convert my motion energy directly into electrical energy with no cost for the fuel.
  - I produce no air pollution.
- My turbines operate both on land and offshore.
- I produce about 10.2 percent of U.S. electricity.
- I'm caused by uneven heating of the Earth's surface.

# SOLAR

- I'm not available at all hours of the day.
- I can be converted directly into electricity using photovoltaic cells.
- I'm great for water and home heating.
- I work better in some parts of the country.
- I supply just under 3.4 percent of the nation's electricity.
- I'm free to use, but you have to purchase and maintain my equipment.