

WORKSHEET 1: FORMS AND SOURCES OF ENERGY

In the United States, we use a variety of resources to meet our energy needs. Use the information below to analyze how each energy source is stored and delivered.

- Using the table below, determine how energy is stored or delivered in each of the sources of energy. If the source of energy must be burned, the energy is stored as chemical energy.

Nonrenewable	Renewable
Petroleum _____ <i>Chemical</i>	Biomass _____ <i>Chemical</i>
Coal _____ <i>Chemical</i>	Hydropower _____ <i>Motion</i>
Natural Gas _____ <i>Chemical</i>	Wind _____ <i>Motion</i>
Uranium _____ <i>Nuclear</i>	Geothermal _____ <i>Thermal</i>
	Solar _____ <i>Solar Radiant</i>

- Look at the U.S. Energy Production by Source graphic below and calculate the percentage of the nation's energy use that each form of energy provides.

What percentage of the nation's energy is generated by each form of energy?

Chemical 61.1% (petroleum, coal, natural gas, biomass) Nuclear 18.2% (uranium)
 Motion 3.4% (wind, hydro) Radiant 3.4% (solar)

What percentage of the nation's energy is generated by renewables? 21.7%

What percentage of the nation's energy is generated by nonrenewables? 78%

**Numbers do not add up to 100% due to other category factors. Also, remember that biomass is a renewable energy source.*