

### 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

Petroleum \_\_\_\_\_

Coal \_\_\_\_\_

Natural Gas \_\_\_\_\_

Uranium \_\_\_\_\_

#### Renewable

Biomass \_\_\_\_\_

Hydropower \_\_\_\_\_

Wind \_\_\_\_\_

Geothermal \_\_\_\_\_

Solar \_\_\_\_\_

- 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 \_\_\_\_\_ Nuclear \_\_\_\_\_

Motion \_\_\_\_\_ Radiant \_\_\_\_\_

What percentage of the nation's energy is generated by renewables? \_\_\_\_\_

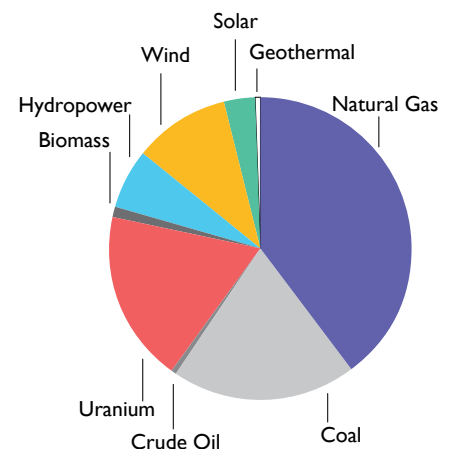
What percentage of the nation's energy is generated by nonrenewables? \_\_\_\_\_

This worksheet appears courtesy of The NEED Project

#### U.S. Energy Production by Source, 2022<sup>1</sup>

ENERGY SOURCE	%	USES
Natural Gas	39.8%	heating, manufacturing, electricity
Coal	19.5%	electricity, manufacturing
Crude Oil	0.6%	transportation, manufacturing
Uranium	18.2%	electricity
<b>NONRENEWABLE</b>	<b>88.7%</b>	

ENERGY SOURCE	%	USES
Biomass	1.3%	heating, electricity, transportation
Hydropower	6.2%	electricity
Wind	10.2%	electricity
Solar	3.4%	heating, electricity
Geothermal	0.4%	heating, cooling, electricity
<b>RENEWABLE</b>	<b>21.5%</b>	



U.S. Energy Information Administration. (2022). What Is U.S. Electricity Generation by Energy Source? U.S. Energy Information Administration.