

KEY

	Coal	Oil	Natural Gas	Nuclear Energy
Description	Formed from plant remains, peat. 23% of our energy needs come from this source.	Formed from tiny animals, algae, and protists. 38% of our energy needs come from this source.	Formed from the same animals as oil. Natural gas is located in pockets above oil. 22.9% of our energy needs come from this source	Energy in the nucleus of an atom. Uranium is the main element used.
Method of Obtaining	Mining	Drilling	Drilling	Mining
Use	Electricity, Heat, and Transportation are the main uses.	Asphalt for roads, grease, wax, diesel fuel, gasoline, jet fuel, and heating oil are the main uses.	Fuel to heat homes and cook are the main uses.	Electricity is the main use.
Advantages	Very abundant and easy to transport are the main advantages.	The main advantage is that it can be used for a variety of things.	The main advantage is there is LOWER pollution than the other fossil fuels. It also provides lots of energy.	The main advantage if there is very little impact on the environment. No pollution or carbon dioxide emission.

Disadvantages	Lots of pollution and produces carbon dioxide.	Causes air and water pollution.	This nonrenewable resource is highly flammable.	There are numerous risks during mining, transportation, and storage. Can cause meltdowns.
----------------------	--	---------------------------------	---	---

	Solar	Wind	Water	Biomass	Geothermal
Description	This is energy from the sun. Needs photovoltaic panels (PV).	Air in motion caused by unequal heating.	Use dams to create electricity. Chemical formula is 2 hydrogen atoms and 1 oxygen atom.	Using living things as an energy source like wood, crops, and yard waste.	Using heat in the earth as an energy source.
Advantages	Virtually FREE. 5 billion years remaining.	FREE and doesn't produce pollution.	Stores lots of energy, no pollution, and the cheapest.	Plants help reduce carbon dioxide.	This method does not involve any transportation of fuel.
Disadvantages	Expensive to store.	Isn't always available, turbines are expensive.	Can disturb wildlife and natural resources.	Can cause pollution when burned and very expensive.	Not everywhere that the mantle is close enough to the surface.