

Tick the words that are related to renewable sources of energy

CAN BE REPLACED NATURALLY PLASTICS SOLAR ENERGY CANNOT BE RENEWED
 WIND ENERGY GASOLINE COAL FOSSILS FUELS HYDROPOWER PETROL
 BIOMASS DIESEL CONTRIBUTE TO GLOBAL WARMING

Label the pictures

BIOMASS – NON-RENEWABLE ENERGY SOURCES - FOSSIL FUELS – GEOTHERMAL –
 RENEWABLE ENERGY SOURCES - HYDRO – NUCLEAR – WIND - TIDE – NATURAL GAS –
 SOLAR – COAL

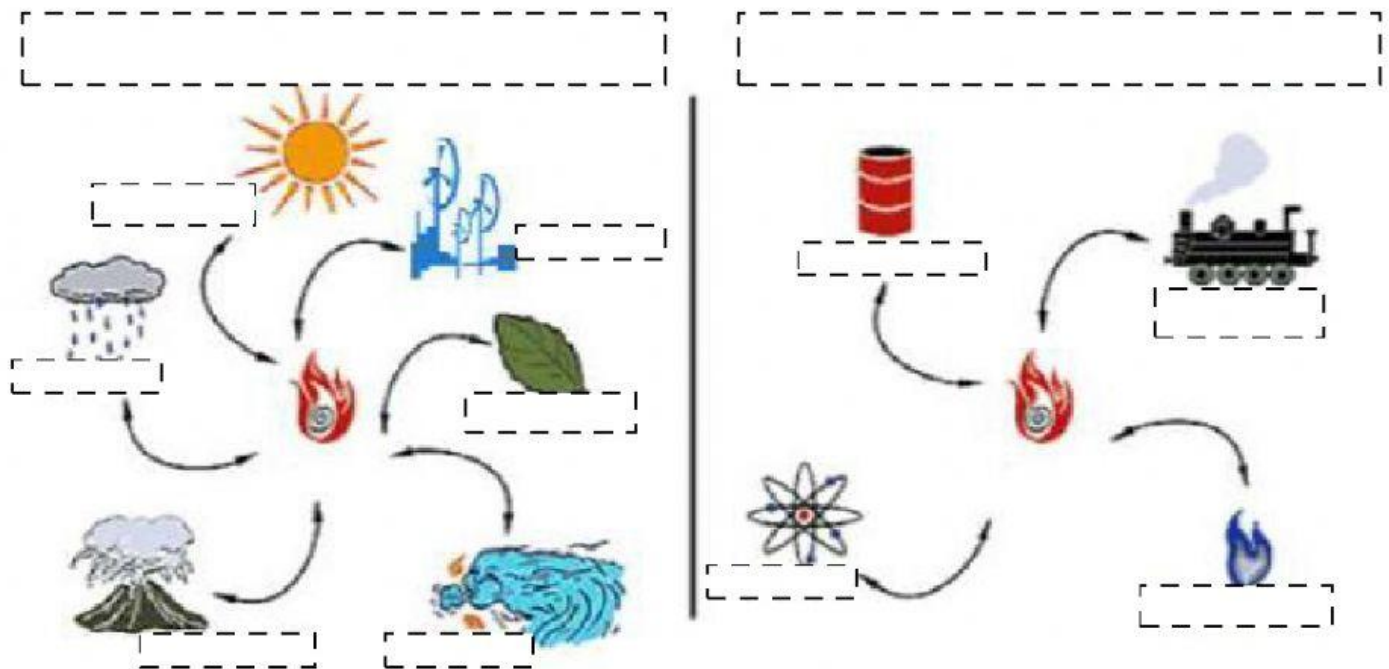


Figure 1. Renewable and non-renewable energy sources.

Match

Acid rain	A man-made explosion that occurs as a result of the rapid release of energy from a high-speed nuclear reaction and that produces radiation
Solar energy	Energy obtained from the sun
Radioactive waste	The process by which waste is separated into different elements

Nuclear blast	Precipitation containing a high concentration of acid-forming chemicals, chiefly sulphur dioxide and nitrogen oxides
Waste sorting	A by-product of nuclear power generation which is left after the nuclear fuel has been consumed

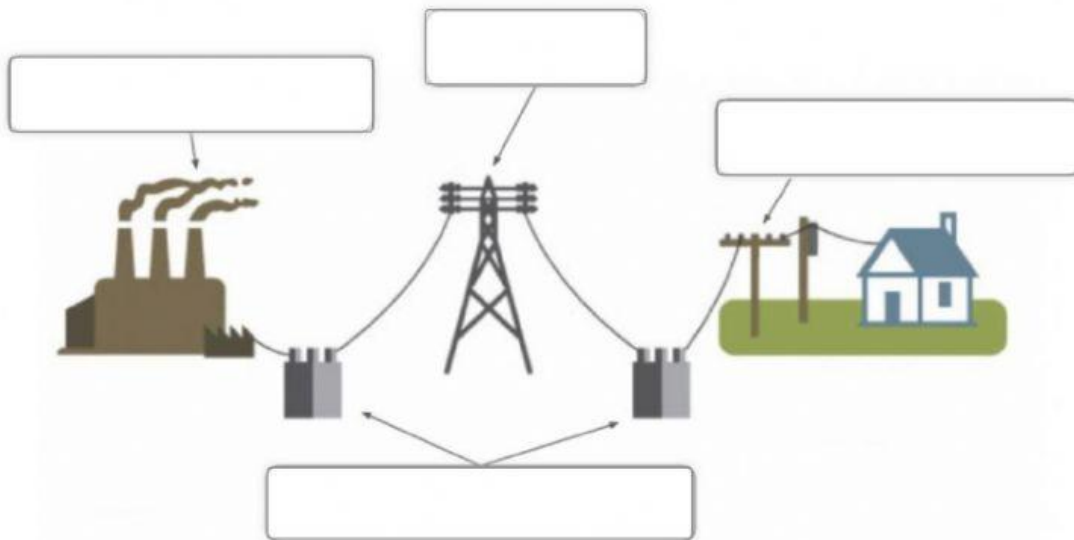
Complete the sentences

by-product	windmill	water power	non-renewable resource	fossil fuels
nuclear explosion	renewable resources	sunlight	hydroelectric power plant	pressure wave

- _____ are replaced naturally and can be used again.
- A _____ does not renew itself at a sufficient rate.
- Alternative energy is energy that does not come from _____.
- A _____ is a device that converts energy from the wind into the electrical power.
- Solar power is produced by collecting _____ and converting it into electricity.
- Nuclear waste is a _____ of nuclear power generation and contains radioactive material.
- A nuclear blast is an explosion with intense light and heat and a damaging _____.
- The heart of a _____ reaches a temperature of several million degrees centigrade.
- _____ is power derived from the energy of falling water or fast running water and it is a source for generating electricity.
- The first commercial _____ was built at Niagara Falls in 1879.

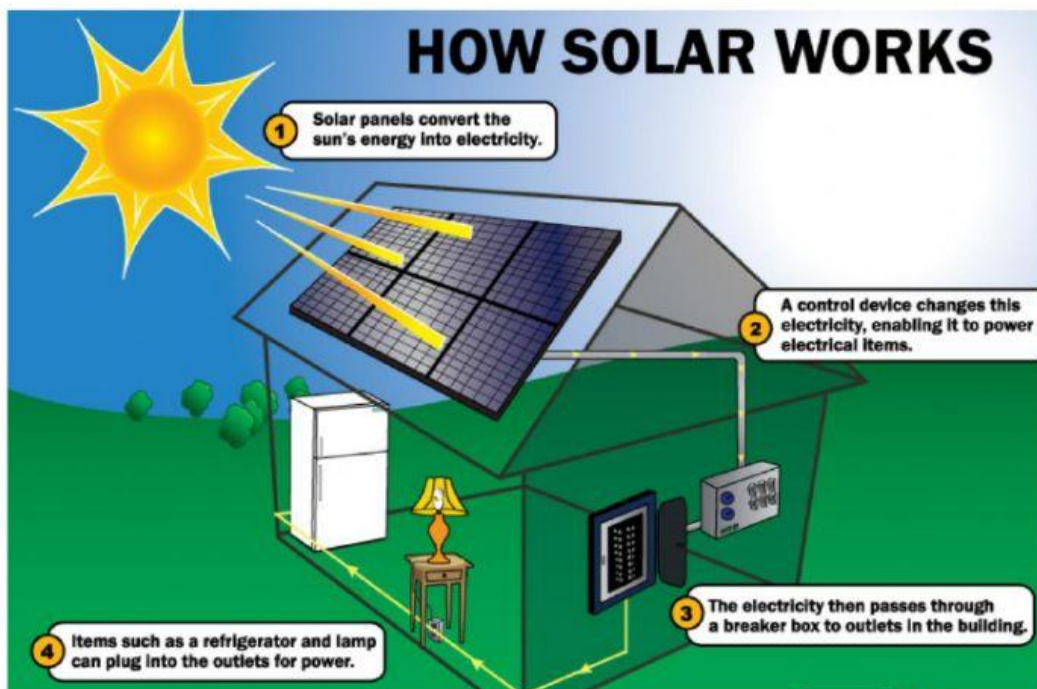
Label the diagram.

POWER POLE	PYLON	POWER STATION	TRANSFORMERS
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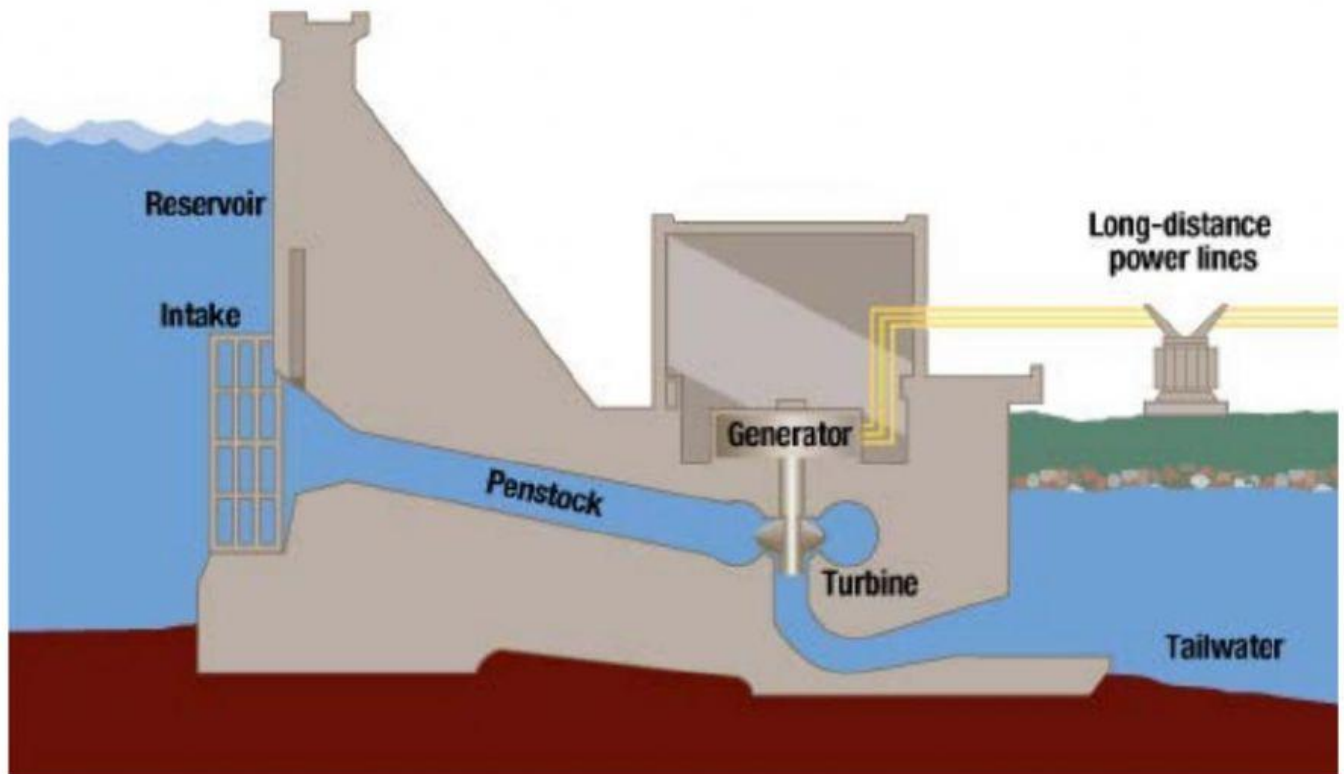
Study the following diagrams and in your own words explain how it works

SOLAR ENERGY



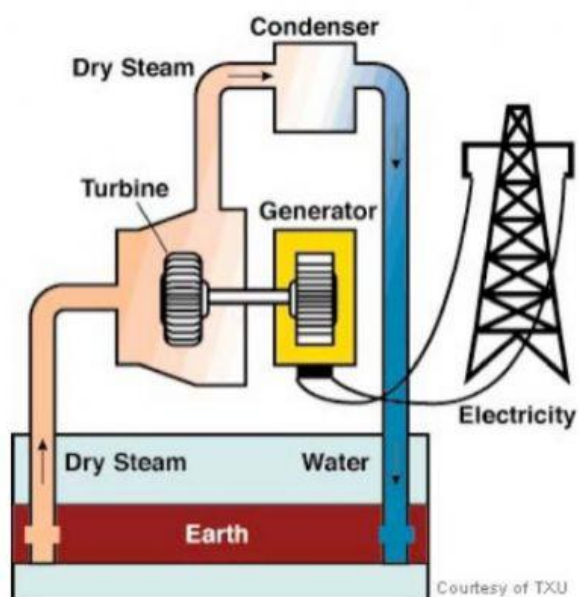
Your explanation:

HYDROELECTRIC ENERGY



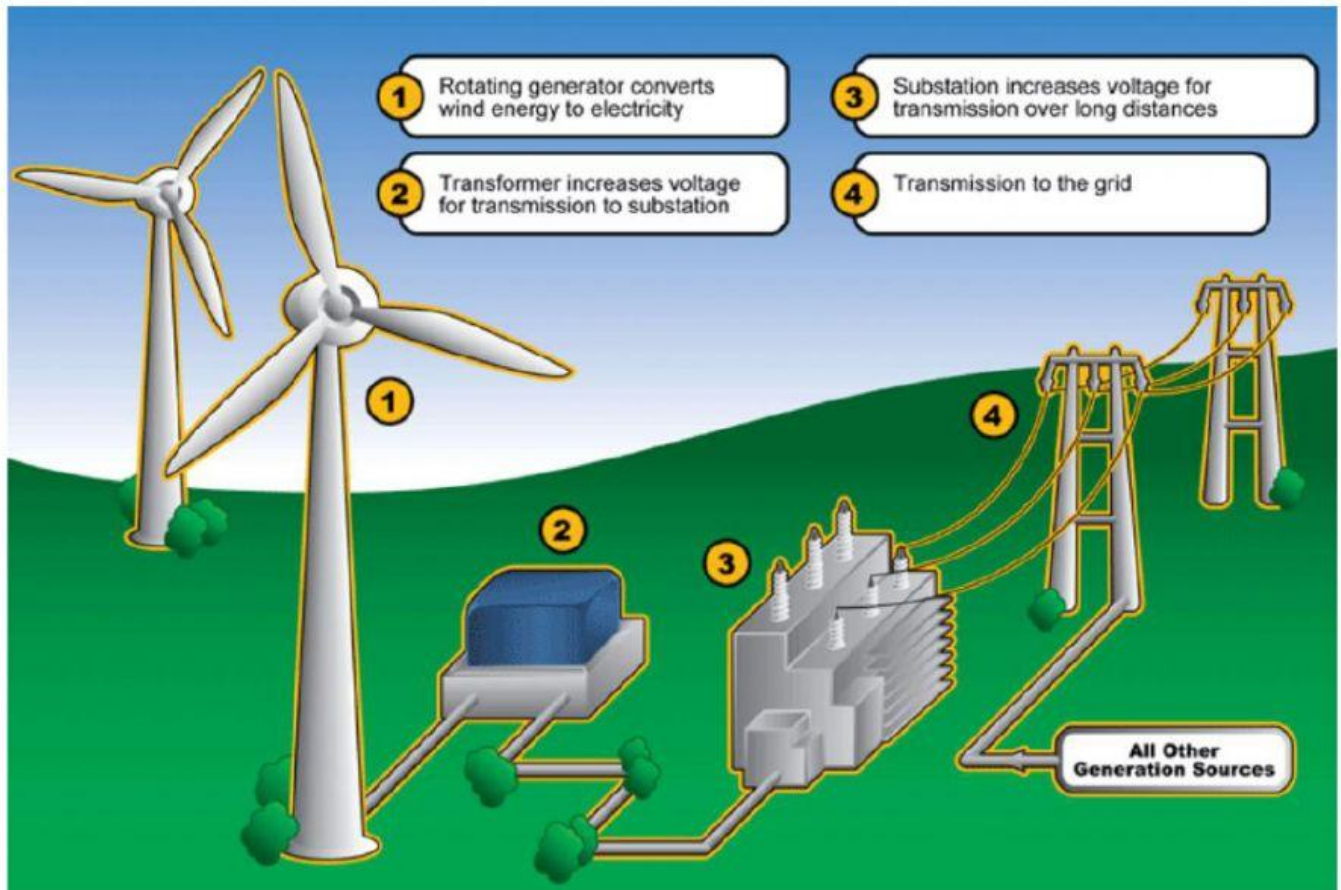
Your explanation:

GEOHERMAL ENERGY



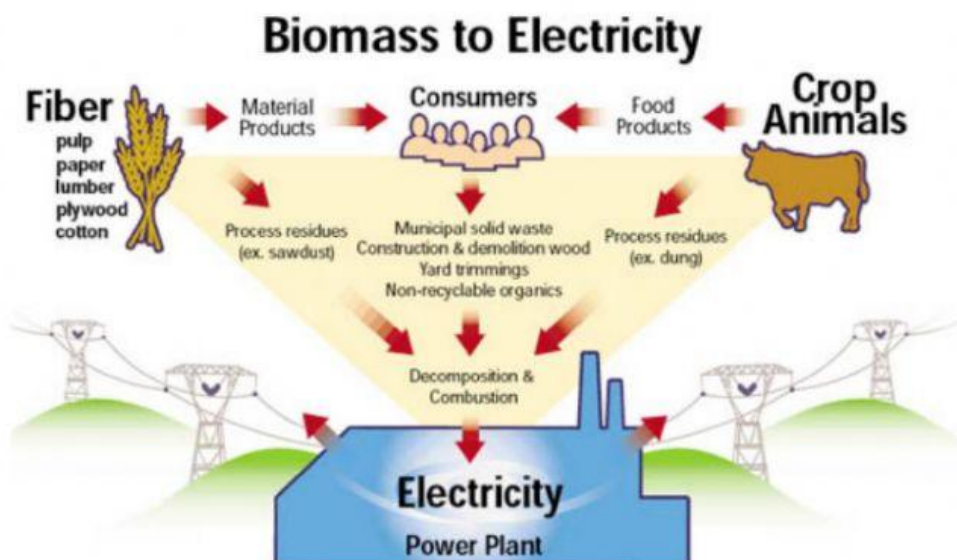
Your explanation:

WIND ENERGY



Your explanation:

BIOMASS



Your explanation:

Compare the energy sources

	Advantages	Disadvantages
Coal energy		
Natural gas energy		
Solar energy		
Hydropower energy		
Wind energy		
Nuclear energy		