

Alternative Sources of Energy

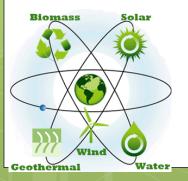
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Defining Alternative sources of Energy

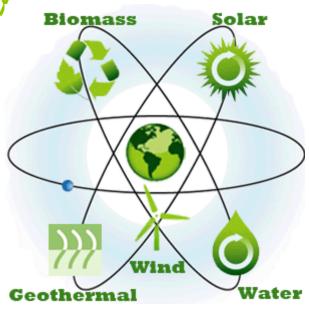
 Alternative sources of energy are those sources of energy which are used to save and conserve natural resources for the next generation.

For Example-Solar Energy, Hydro Energy etc.



Some Types of Alternative Sources of Energy

- Solar Energy
- Wind Energy
- Biomass
- Hydro Energy
- Geothermal Energy
- Nuclear Energy



Solar Energy

- Solar energy is energy that is present in sunlight. It has been used for thousands of years in many different ways by people all over the world. As well as its traditional human uses in heating, cooking, and drying, it is used today to make electricity where other power supplies are absent, such as in remote places and in space.
- It is becoming cheaper to make electricity from solar energy and in many situations it is now competitive with energy from coal or oil.



Wind Energy

• Wind is a clean, renewable resource that is good for the environment. Wind machines, called turbines, create energy without burning fuel, so it makes for a pollution-free alternative to oil. Turbines are used today mostly to generate electricity.



Hydro Energy

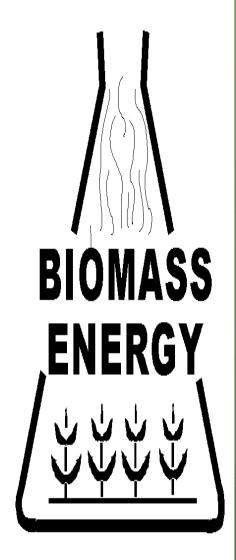
• Hydroelectricity is electricity that is made by the movement of water. It is usually made with dams that block a river or collect water that is pumped there. When the water is "let go" the huge pressure behind the dam forces the water down shafts that lead to a turbine, this causes the turbine to turn, and electricity is produced.



Biomass Energy

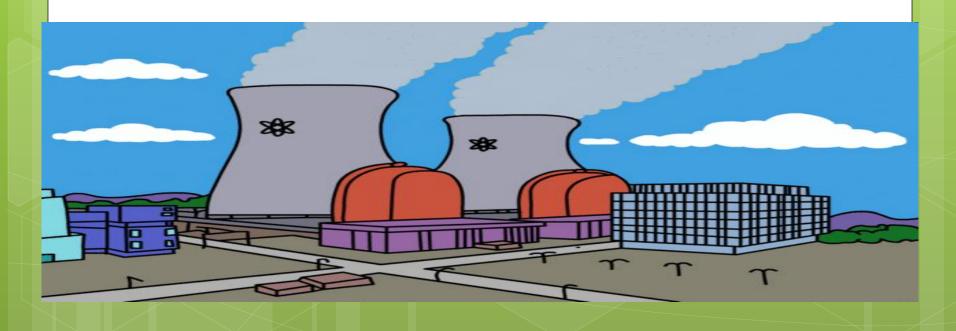
• Biomass is a clean renewable energy resource derived from the waste of various human and natural activities. It excludes organic material which has been transformed by geological processes into substances such as coal or petroleum.

 Nowadays biodiesel is being used to run vehicles. This is derived from different plants like corn.



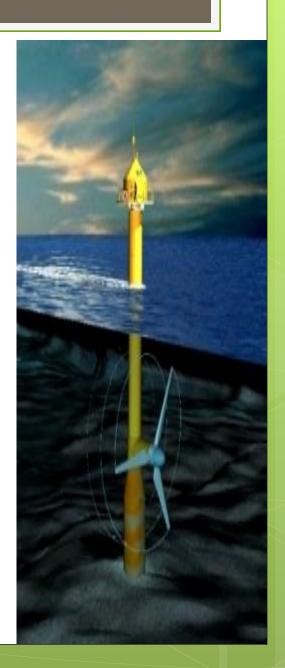
Nuclear Energy

 Nuclear power is an alternative power source that uses the nuclear fission of uranium to create heat and, thereby, through a heat transfer mechanism and turbines, create electricity.



Tidal Energy

 Tidal Power is the generation of electrical power through the harnessing of the retreat and flow of the tides



Geothermal Energy

• "Geo" means "from the earth," and "thermal" means "heat," so this type of energy is found under the earth. The hot lava from a volcano and the hot steam from a geyser both come from underground heat - and we can use that same type of heat in our homes.



Thank You

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