

Solar Powered Projects

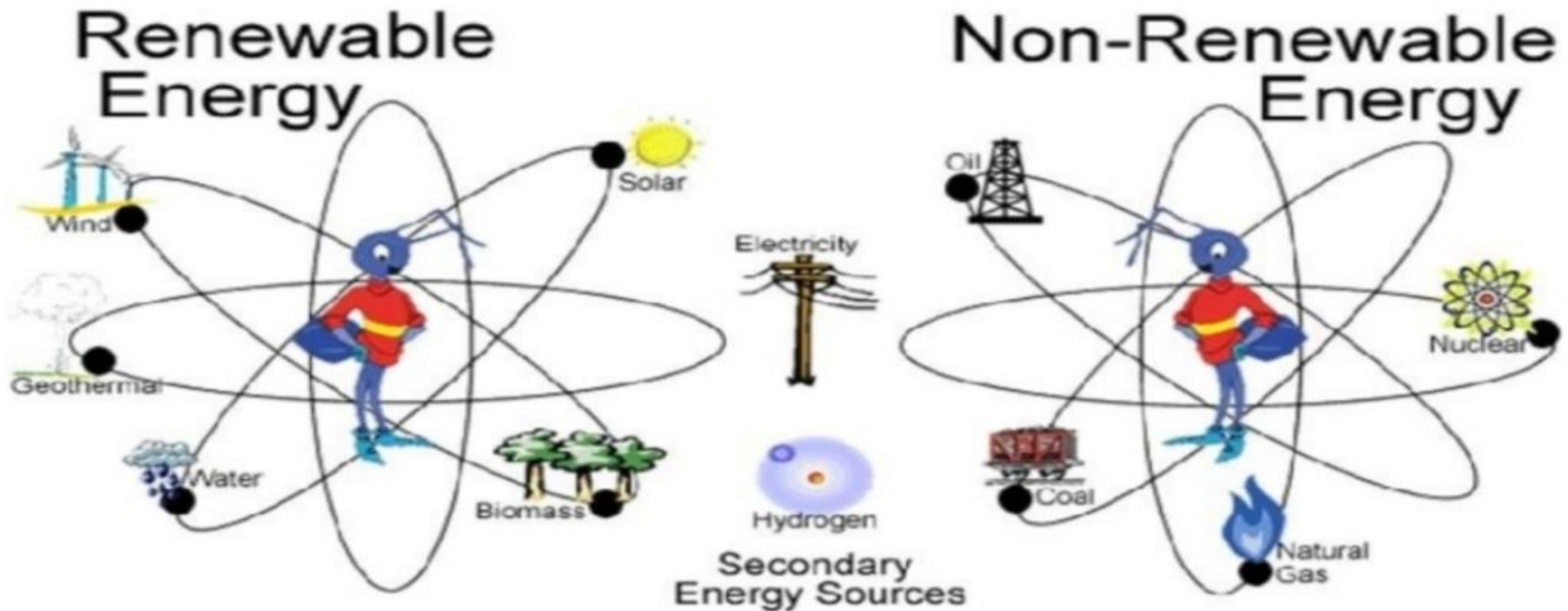
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Energy

- Energy is an essential part of our daily lives!
- The Sun is directly and indirectly responsible for all types of Energy in the Earth.
- Law of Conservation of Energy,
“energy can neither be created nor destroyed; energy can only be transferred from one form to another”.
- Energy Sources are used to produce Electricity.
- Energy from Sun is known as Solar Energy.

Renewable Energy

- Renewable resources are those resources that can be replenished or renewed or reuse or refill naturally over time.
- Ex: Solar, Wind, Hydro, Biomass



Solar PV Systems

- Solar PV systems are basically two types namely; On-grid and Off-grid system.
- Components: solar panel, solar charge controller, inverter, solar battery and appliances
- On-grid system is connected to the Grid supply.
- Battery bank is not used.
- Off-grid system is not connected to the Grid supply.
- Battery bank is used.

Solar Home System



DC Microgrid System



Hybrid System



Solar Water Pumps



Solar Home Lighting System



Solar Street Light



Solar Lamp



Solar Powered Huller



Solar Powered Car

