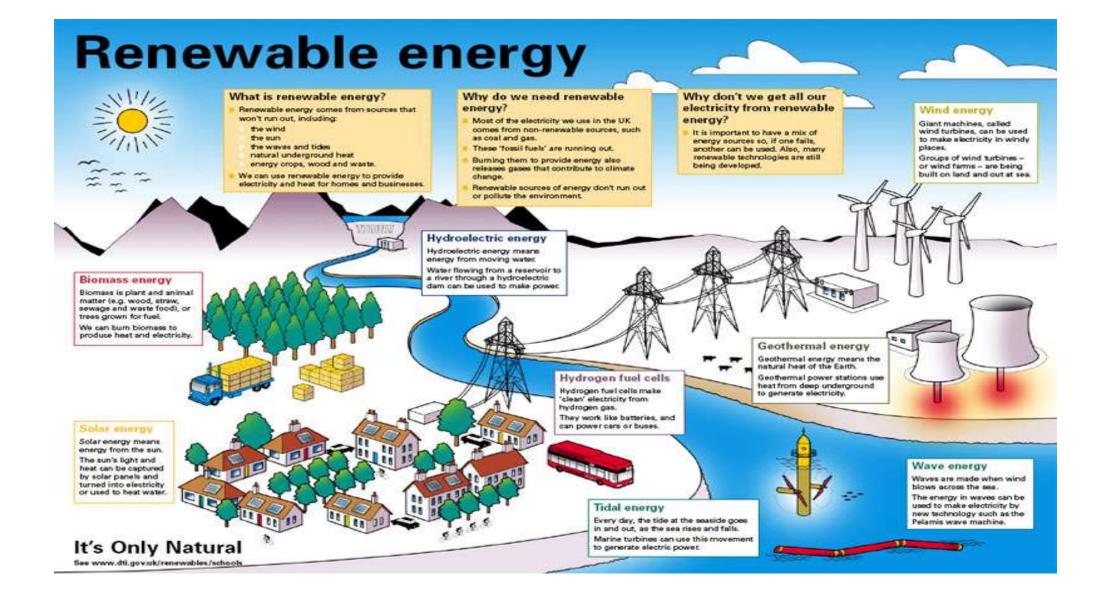
Energy Security

## **Energy Security**

- Access to cheap energy sources has become essential to the functioning of modern economies.
- Energy security is defined as the ability of the energy system to react promptly to sudden changes within the supply-demand balance.
- The IEA defines energy security as the uninterrupted availability of energy sources at an affordable price.
- Energy security has many aspects: long-term energy security and short term energy security.
- Long-term energy security mainly deals with timely investments to supply energy in line with economic developments and environmental needs. On the other hand, short-term energy security focuses on the ability of the energy system to react promptly to sudden changes in the supply-demand balance.

## **ENERGY SECURITY AT A GLOBAL LEVEL:**

- Following are the features of energy security in terms of production/ consumption at a global level:
- 1. Production skewed by source
- 2. Consumption skewed by regions
- 3. Industrial sector the largest consumer
- 4. Reduced coal dependence
- 5. Fossil dependent



## Classwork:

- 1. List out 10 points to conserve different sources of energy.
- 2. Evaluate and write any two points of advantages and disadvantages of the following:
- a) Solar energy
- b) Wind energy
- c) Hydro energy
- d) Geothermal energy, etc.