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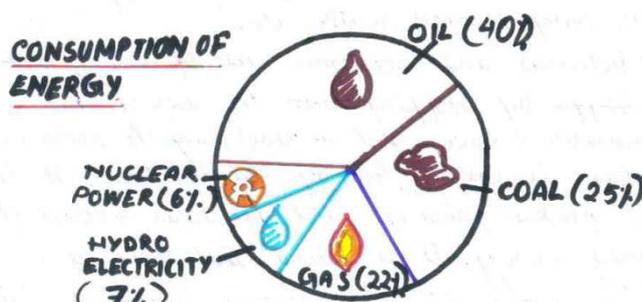
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CONSERVATION OF ENERGY- THE ONLY WAY FORWARD

Energy is defined as the ability to do work. It means any form of energy derived from electrical energy, water energy, fossil fuel or biomass connected to the grid.

- Section 2 (h) of Energy Conservation Act, 2001.

About 20% of world's energy is generated from coal and 60% generated from oil and natural gas.



The use of fossil fuels as the primary source of energy releases GHG (Green House Gases) such as CO₂ that has increased the GHG level. This has raised Earth's temperature causing Green House affect which results in Global Warming.

While efforts are being made to have other sources of energy, there is a big gap between demand and supply of energy. Efficient and economic utilization of energy will certainly help us to fill this gap.

“Energy can neither be created nor destroyed.” However, it can be transformed from one form to the other.

This phrase gains more importance in light of the fact that fossil fuels, that we most conveniently use are limited. It is estimated that we will finish up all coal and petroleum in the next 75 years. So, instead of using these non-renewable sources, we must use renewable sources of energy such as solar energy, wind, water etc.

Judicious and economic use of energy by stopping the use of non-renewable sources and switching to renewable sources is called ‘Energy Conservation’. It is the quickest, cheapest and practical method of saving energy. It is found that there is a major scope of saving energy in electricity distribution and consumer's installation. We must conserve

energy as world's consumption and demand of energy is increasing rapidly. India's demand for commercial energy is estimated to increase 250% than today's need.

While using energy, a lot of energy is wasted. It is estimated that there exists a potential of saving 30% energy of our daily use. In our State, daily consumption of electricity in peak hours is 800 MW. So, the amount of energy saved will be 200 MW. This is a considerable amount.

When we conserve energy, we conserve precious fuels such as oil, gas, coal that is used for generating electricity by generating companies. Once expensive and luxurious products which helps in energy conservation are now inexpensive and easily available. Such a product is Compact Fluorescent Lamp. It uses less than 70 to 80 percent energy used by incandescent lamps and is easily affordable. Use of such products will reduce consumption of energy.

People should travel either in public buses provided by the Government or travel with their families. Students should use school buses. This helps to reduce the use of petrol and diesel and is also less air polluting.

in general people, the use of energy is for lighting houses and running various household products. They should build their houses in such a way that a proper use of sunlight is done. This will help in conserving electricity and will also save money.

Energy Conservation Act, 2001

The Energy Conservation Act, 2001 was enacted by the Government to create awareness among the people regarding energy conservation and it come into power in 1.3.2001.

Energy is inconventional in the 21st Century. Any type of energy should be economically used, be it renewable or non-renewable. Energy should not be wasted or ever used.

Thus, we conclude that it is high time for us to start conserving energy as it is the only way ahead of us which will help us to achieve a prosperous life. So, we all must conserve energy for the benefit of self and nation.