

Lecture No-41

Fuel Chemistry

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Options to avoid fossil fuel depletion

Fortunately, there are many ways to avoid the fossil fuels depletions:

1. Use LED light bulbs, which are more efficient (and so decrease energy consumption) and last a long time. The US Department of Energy says that LEDs use 75% less energy than traditional incandescent bulbs and can last for years.
2. Turn off the lights when you leave a room for more than 15 minutes. The power saved reduces the demand on electric utilities, which in turn require less output from power plants that burn fossil fuels.
3. Turn off your television, computer, or any other electrical device when you're not using it; this is a good way to conserve energy and help these investments last longer, so you don't have to buy new ones as soon.
4. Use appliances with the ENERGY STAR label, which is only placed on products that meet high-efficiency standards. To inform consumers, the label usually displays a calculation of annual savings as a percentage or monetary value. It can be found on air conditioners, heaters, refrigerators, and just about any home appliance.
5. Reuse products that require fossil fuel resources to produce. By avoiding paper or plastic shopping bags, you can reduce the demand on the production process, which is fossil-fuel intensive. Instead, use fabric bags for groceries. You can limit how much plastic and Styrofoam you use by purchasing glass plates and cups, which can be reused over and over again instead of just once.
6. Purchase goods manufactured with recycled materials. This helps reduce the demand for fossil fuels, too. Check for product labels that indicate such materials are included. Reusing anything that you can, such as printer ink cartridges, helps too.