

ENERGY CRISIS AND ENERGY ALTERNATIVES



Fill in the blanks using words from the word list.

Word List: sunlight, electricity, strong, stations, fuels, polluting, out, oil, electricity, cooking, environment, world, methane, electric, solar, plant, energy, heating, gas, generate, cheap, dams, waves, New, out, stations, tides, crisis, cheap, burnt, cane, water, bills, power, years, earth, energy, mud, electricity, heating

With population growth comes increased usage of energy. The energy c_____ is the inability of the earth's resources to keep pace with the population's needs. The solution to the energy crisis is twofold – build more p_____ stations to supply more e_____, or reduce the usage of energy by building more energy-efficient devices.

There are 2 types of energy sources – non-renewable and renewable.

NON-RENEWABLE ENERGY SOURCES

- ◆ e.g. fossil fuels (coal, oil, natural gas) and nuclear energy (uranium, plutonium)
- ◆ Takes a long time to form (e.g. millions of years)
- ◆ Cannot be reused

Advantages

- ◆ Cheap
- ◆ Readily available
- ◆ Efficient
- ◆ Multipurpose (e.g. oil for cars, heating)

Disadvantages

- ◆ Running out
- ◆ Polluting or radioactive

RENEWABLE ENERGY SOURCES

- ◆ e.g. biomass, solar, wind, wave, tidal, hydroelectric, geothermal
- ◆ Takes a shorter time to form (e.g. decade or two)
- ◆ Can be reused or is very abundant

Advantages

- ◆ Won't run out
- ◆ Environmentally friendly

Disadvantages

- ◆ Geographically selected
- ◆ Inefficient