

Energy Sources

The rapid warming of the Earth and the growing concern over the world's ever-increasing energy needs along with the prospect of rapidly receding reserve of gas and uranium fuel have prompted efforts to develop viable alternative energy, that is, from sources that are renewable and ecologically safe as opposed to sources that are non-renewable with toxic by-products, such as coal, oil or gas (fossil fuels) and uranium (for nuclear power).

Read these texts and fill in the blanks with the given words.

dam	plants	waves	waterpower	turbines	ebbs
resource	tidal	electricity	power	waterwheels	wind
hydroelectric		energy		windmills	

ALTERNATIVE ENERGY SOURCES

The most important alternative energy source is flowing water, harnessed as _____ power. It is electricity generated by moving water. It's also called _____ and derives from the fall of water from a higher to a lower level, and is extracted by means of _____ or hydraulic _____. Waterpower is a natural _____, available where a sufficient volume of steady water flow exists.

Another source which contributes very little to pollution and few greenhouse gases to the environment is the _____, thus a valuable alternative to non-renewable fuel. Our ancestors have used it as a source of _____, take for instance sailing ships and _____, they are ancient inventions. Denmark obtains more than 2% of all its _____ from wind turbines, which are also used to increase the _____ supply to communities on islands or in other remote locations.

Ocean tides and _____ are also useful forms of energy. _____ energy is the energy of tides that has been harnessed to produce electricity. The incoming tide of the river flows through a _____, driving turbines, and then is trapped behind the dam. When the tide _____, the trapped water is released and flows back through the dam, again driving the turbines. Such tidal power _____ are most efficient if the difference between high and low tides is great.



Solar Energy / Biomass Energy / Wind Energy / Hydroelectric Power / Geothermal Energy / Tidal and wave energy