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CHAPTER 3. SOURCES OF ENERGY

1. Nuclear Energy



Nuclear power is derived from energy that is released when relatively large atoms like atoms of uranium, thorium are split by shooting neutrons on them. In this process, one atom forms some small atoms, 3 neutrons and heat. The process of splitting an atom is known as nuclear fission. The resulting heat is used to boil water which drives a steam turbine to generate electricity.

Chain Reaction:

If we trigger one reaction of nuclear fission, chain reaction starts. In a chain reaction, particles released by the splitting of the atom strike other uranium atoms and split them. The particles released by this, further split other atoms in a chain process.

