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O Write a short note on Nuclear Energy.

Nachar energy is a non-renewable energy source. Although nuclear energy itself is a renumable energy source, the material used in nuclear powerplants is not. Nuclear energy harvests the powerful energy in the nucleus or core of an atom Nuclear energy is released through nuclear fission , the process where the nucleus of an atom splits. Nuclear powerplants are complex machines that can control nuclear fission to produce electricity. The material often used in nuclear power plants is wantim. Although warrien is found in racks all over the world, rucker power plants usually use a rare-type of wranium U-235. Uranium is a non-renewable resource. 

and energy released + E = sm c2 ADVA NTAGES:

- · Nuclear energy is a popular way of generating electricity around the world. They so not pollute air or emit greenhouse gases. They do not destray the environment around them.
- · Not very expensive · To build a powerplant, it requires some capital, but in the long ran it can is equivalent to cost of mining and transporting coal.
- . It is a reliable form of energy as it can function uninterrupted for a long time to happens because nullar power plants do not get effected by weather or other suppliers

## BISADVANTA GES

- · Wannin 235 is unstable and difficult to extract and, transport, store and dispose
- · lounts water bodie near the powerplants as the plants are connected to water bodies.
- · Nuclear power plants are difficult to build and run.
- · Score of nuclear hazards and life threats, lake etc.
- · lt also products radioactive material. Radioactive waste can be extremely toxic Ceusing burns, cancers. etc.