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SUBJECT:- PHYSICS

CLASS:- XTH

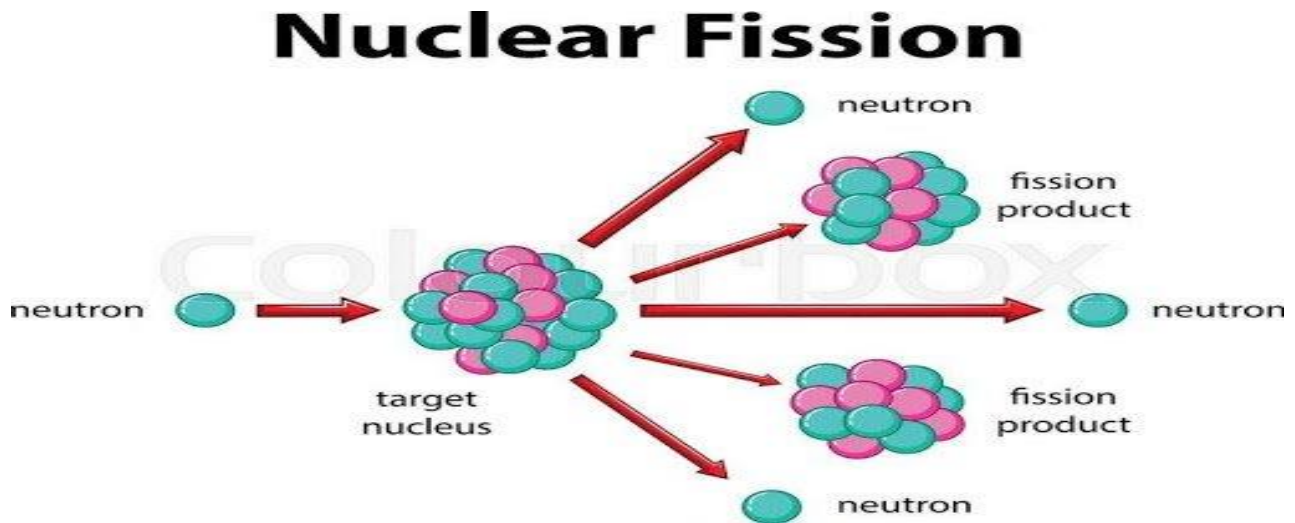
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SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 3. SOURCES OF ENERGY(Some Rest Topics)

Solar constant: It is the total energy that falls on 1metre square area in 1 second.

Nuclear energy



It is the energy possessed by the nucleus of an atom. It is the process due to which energy of a nucleus is released. Types of nuclear reactions :

Nuclear fission: It is the reaction in which energy is released when a bigger nucleus splits into two or more lighter nuclei i.e. the energy released per fission is 200Mev. But generally, the fission reaction is uncontrolled due to which its energy can not be used for constructive purpose but if we want to control it, we carry out the reaction in a nuclear reactor which is designed in such a way that controlled fission takes place.