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**SUBJECT:- PHYSICS**

**CLASS:- XTH**

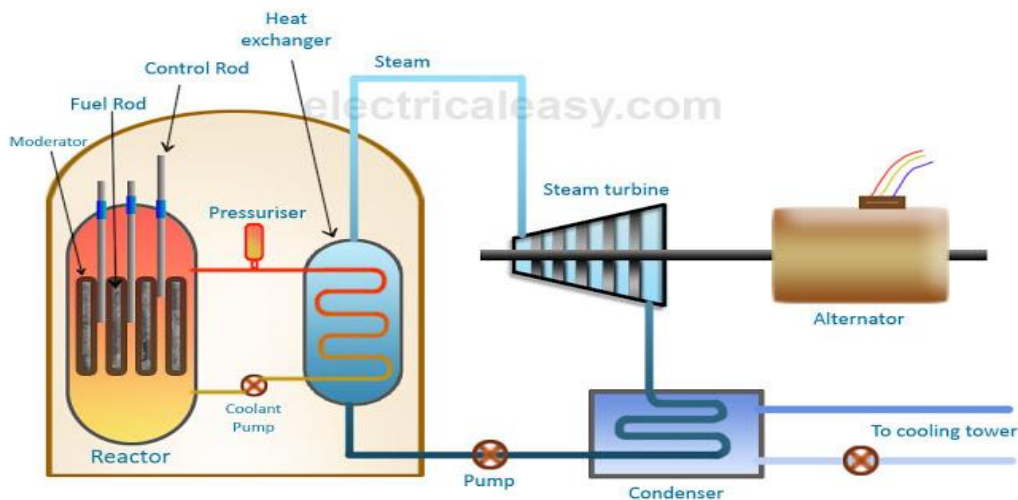
**DATE:25/05/XX**

**SUBJECT TEACHER:- MR. NEEL NIRANJAN**

**CHAPTER 3. SOURCES OF ENERGY**

**NUCLEAR ENERGY**

**CONSTRUCTION:-**



**WORKING:-**

- In Nuclear power plants in the reactors the uranium atom splits & produces tremendous amount of energy.
- This energy is used to heat the liquid sodium which further heats the water in heat exchangers.
- The water gets converted into steam & that steam rotates the turbine (At turbine the pressure energy of steams gets converted into mechanical energy).
- The turbine & generator are connected with a common shaft, thus shaft rotates & further generator also rotates.
- Rotation of generator (the mechanical energy gets converted into electrical energy due to rotation of generator).
- The produced electricity is sent through transmission wires for domestic and industrial uses.