

Nuclear Power Plant

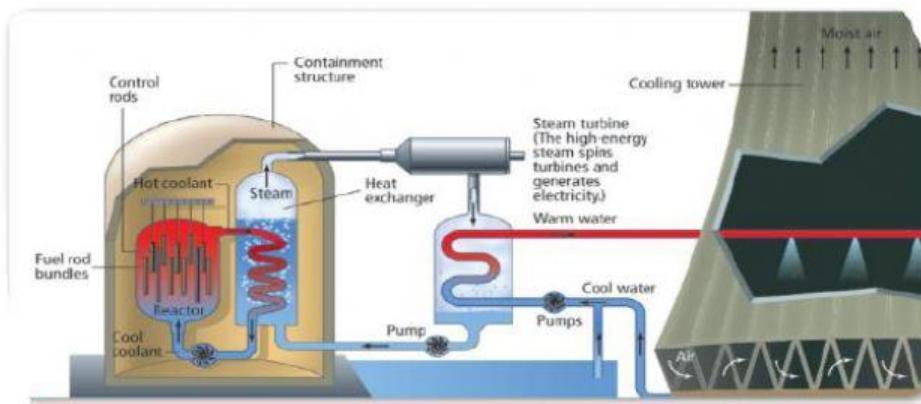
1- Arrange the steps for producing electrical energy using the nuclear reactor:

Steam spins turbine

Electrical current transmitted along lines

Fission reaction (chemical energy is used to make steam.

Turbine blades spin an electric generator



1-

2-

3-

4-

2- Nuclear Reactor contains:

Matching between the part of reactor and function

Fuel:

protects nuclear reactor from very high temperatures

Control rods:

undergoes fission reactions {uranium dioxide}

Cooling system:

control fission reaction