



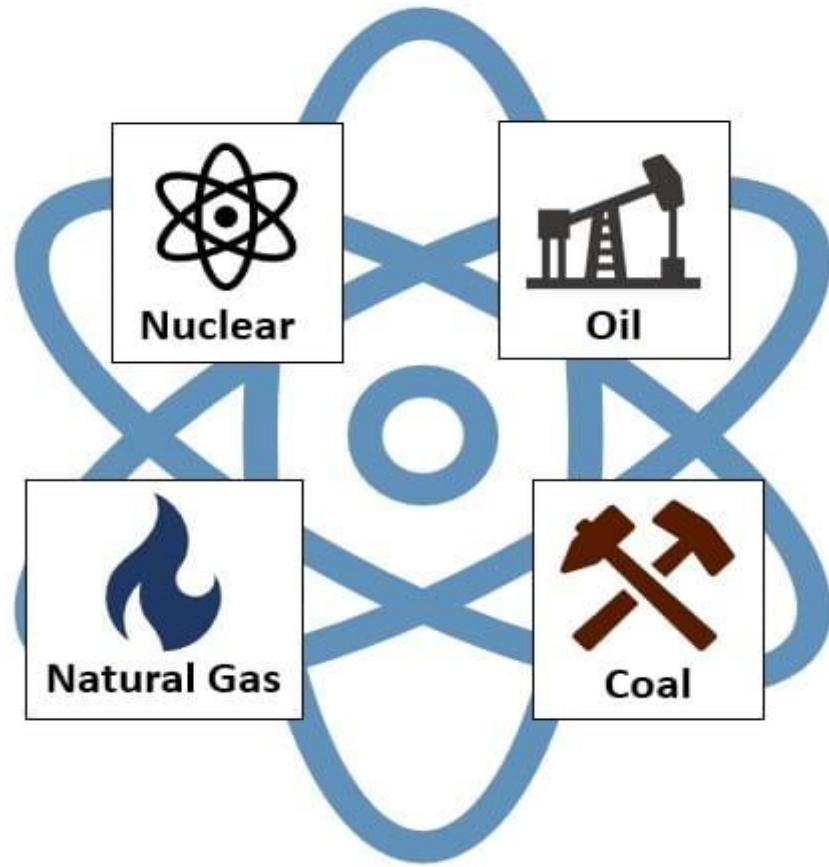
GANANDHI SCHOOL OF ENGINEERING, BHABANDHA, BERHAMPUR

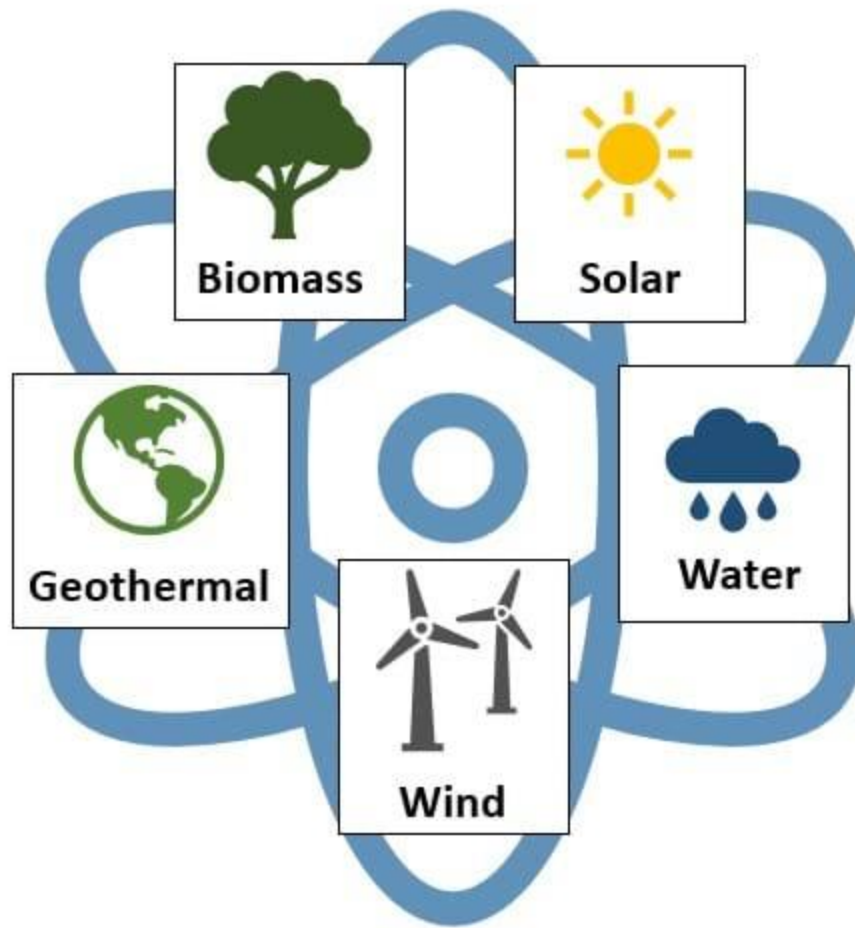
TEACHING LEARNING MATERIAL OF RENEWABLE ENERGY SOURCES

PREPARED BY:ER.DEBASHRI PATNAYAK



RENEWABLE ENERGY





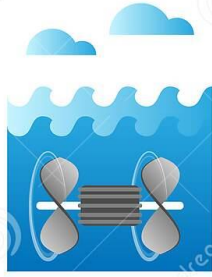
NON RENEWABLE ENERGY

ENERGY SOURCES

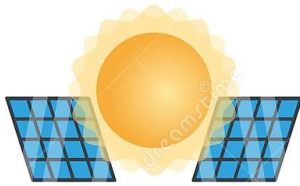
RENEWABLE ENERGY



Wind



Hydropower



Solar



Geothermal



Biomass

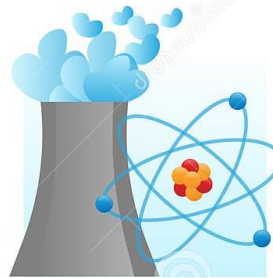
NON-RENEWABLE ENERGY



Oil



Coal

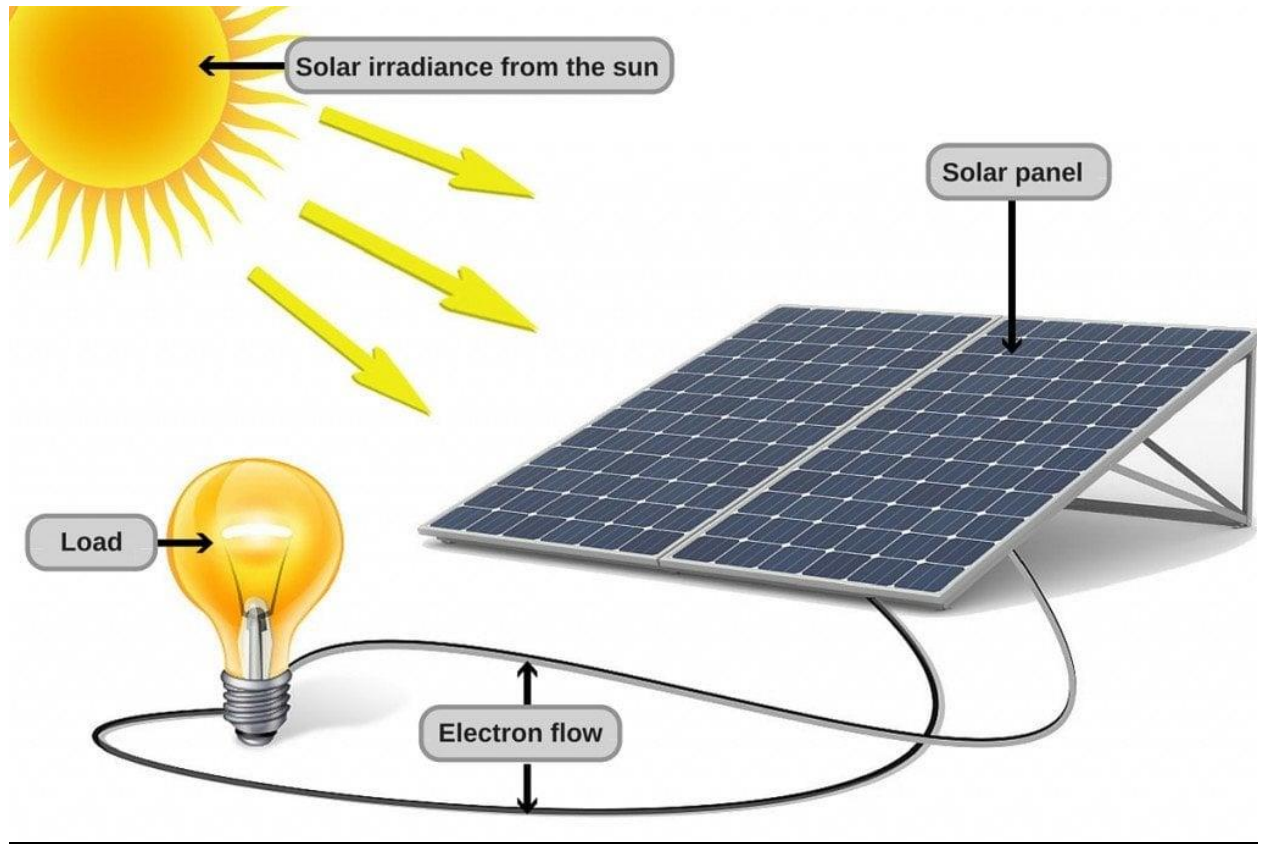


Nuclear



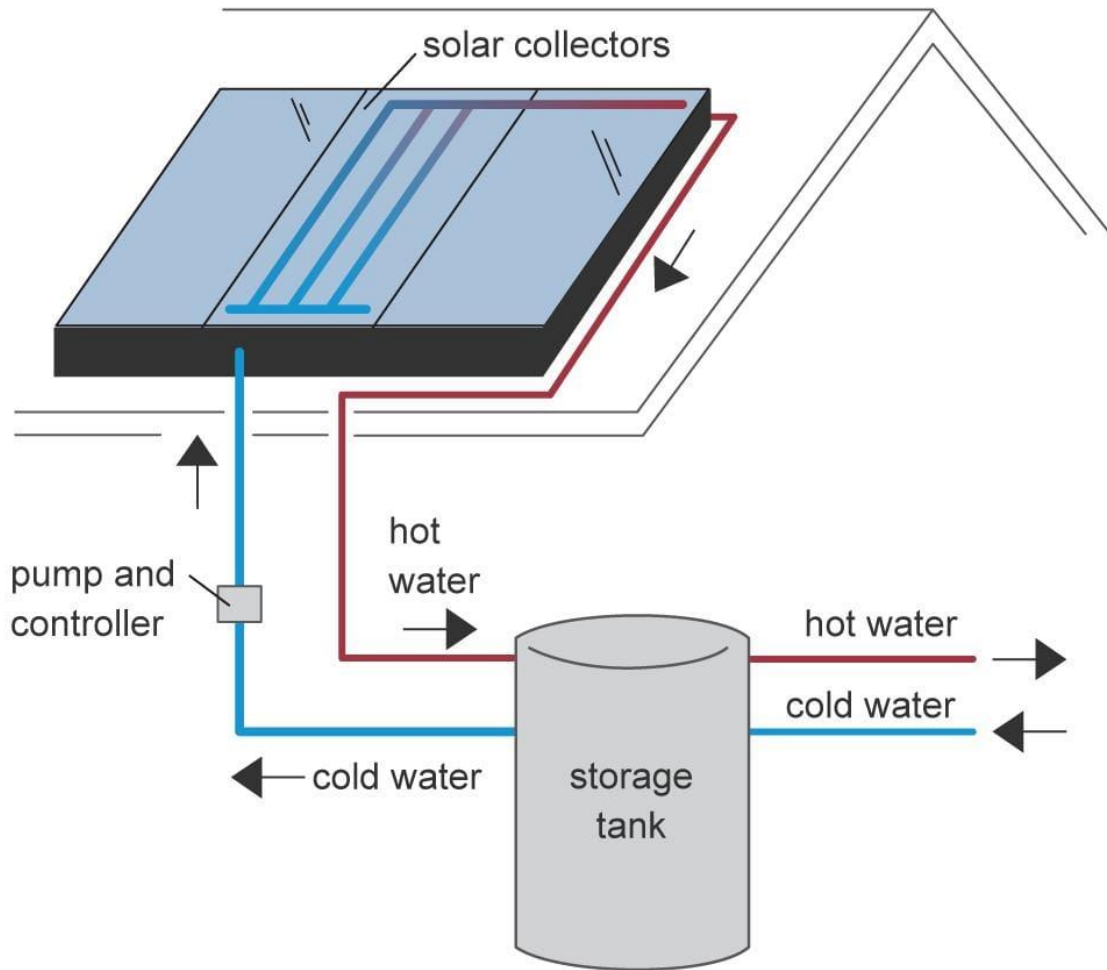
Natural Gas

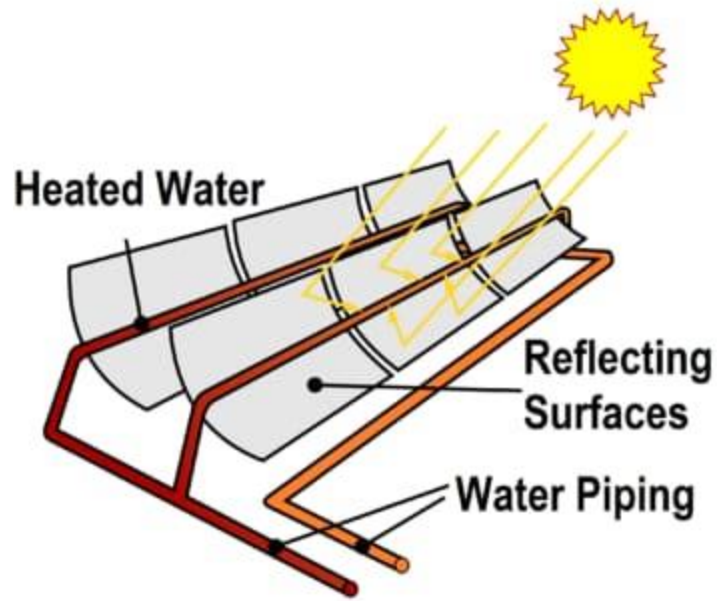
DIFFERENCE BETWEEN RENEWABLE AND NON RENEWABLE ENERGY

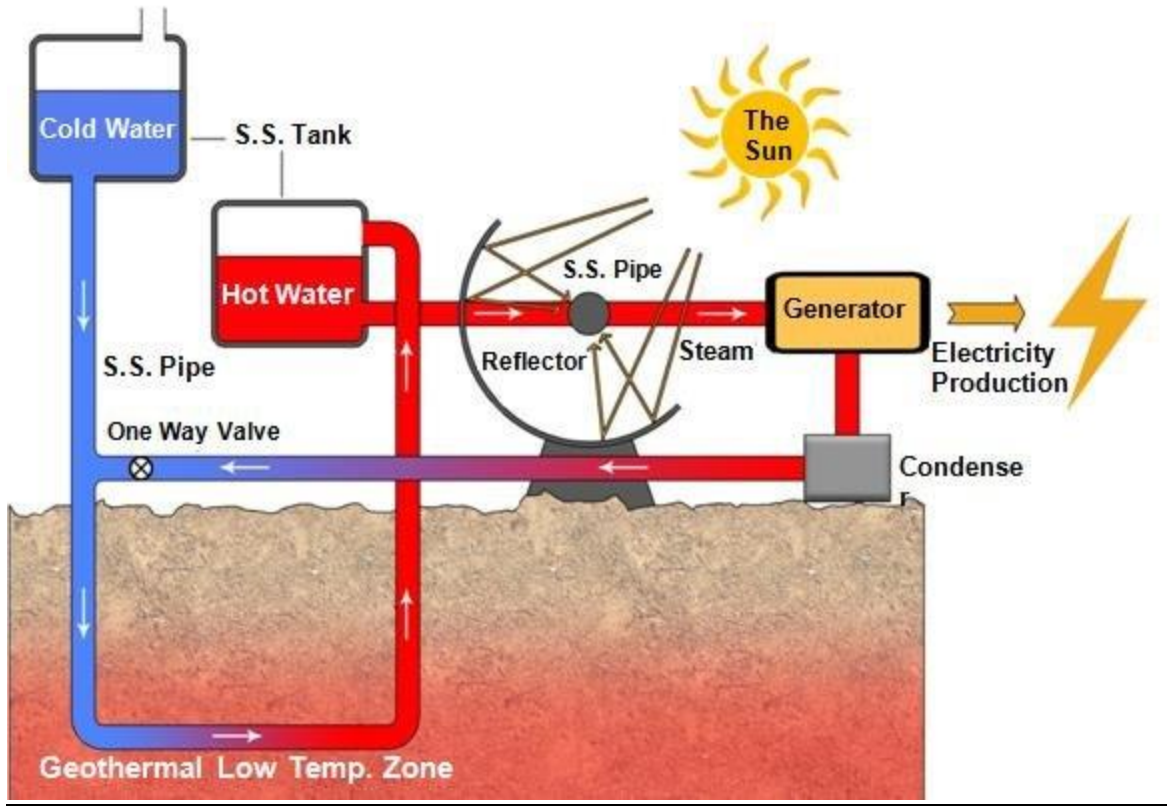


SOLAR COLLECTOR

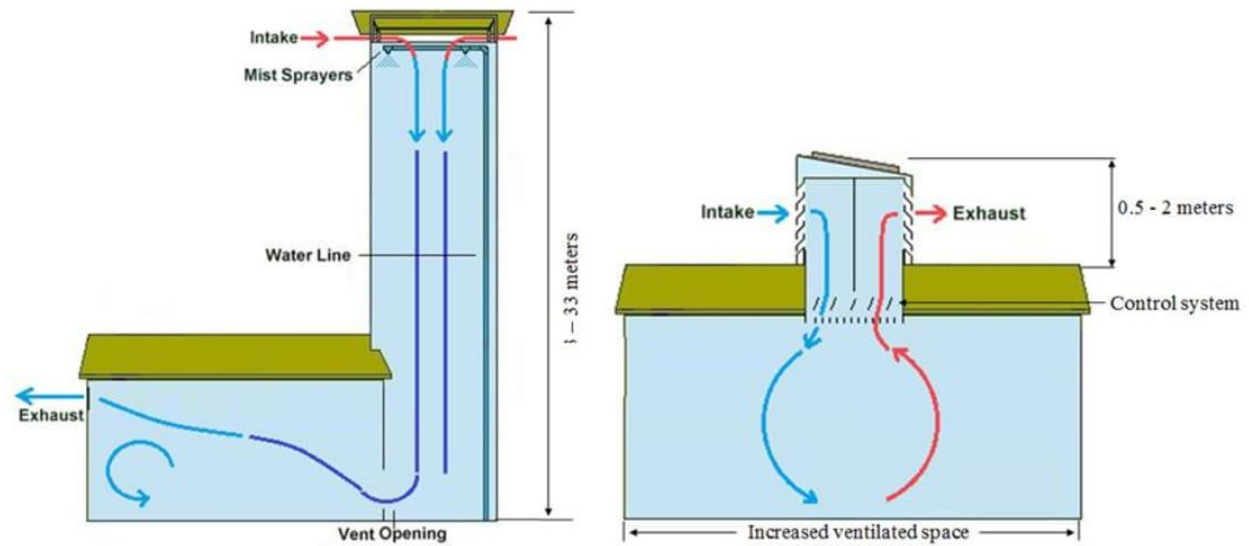
Basic components of a solar water heating system





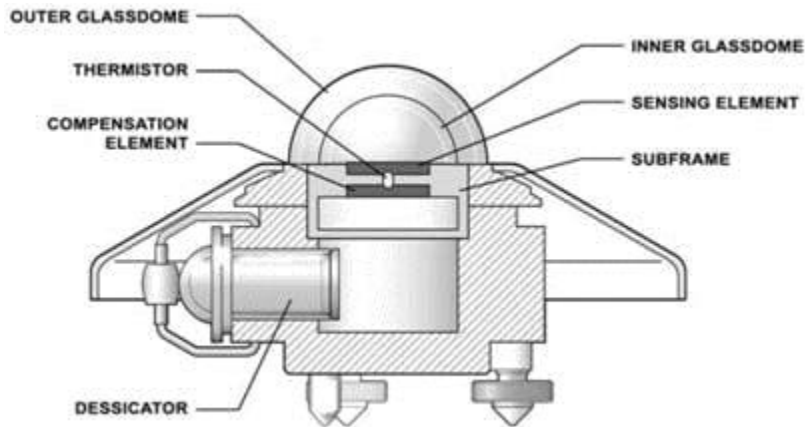
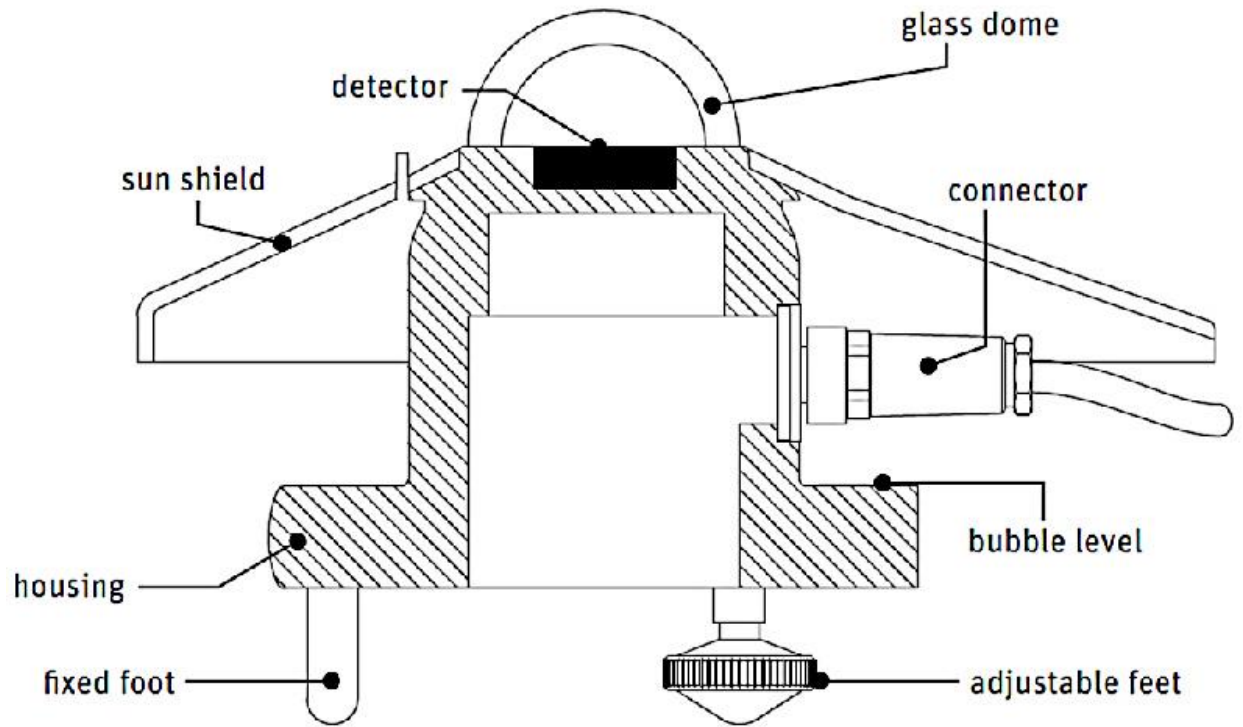


LOW TEMPRATURE APPLICATION OF SOLAR ENERGY

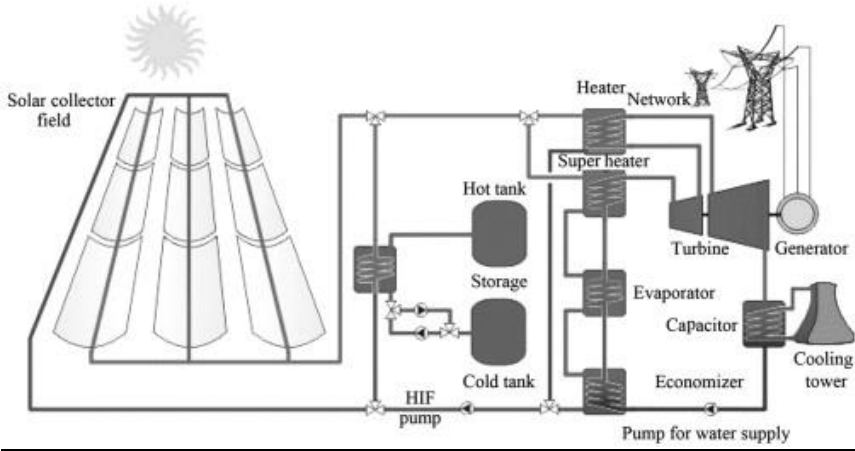
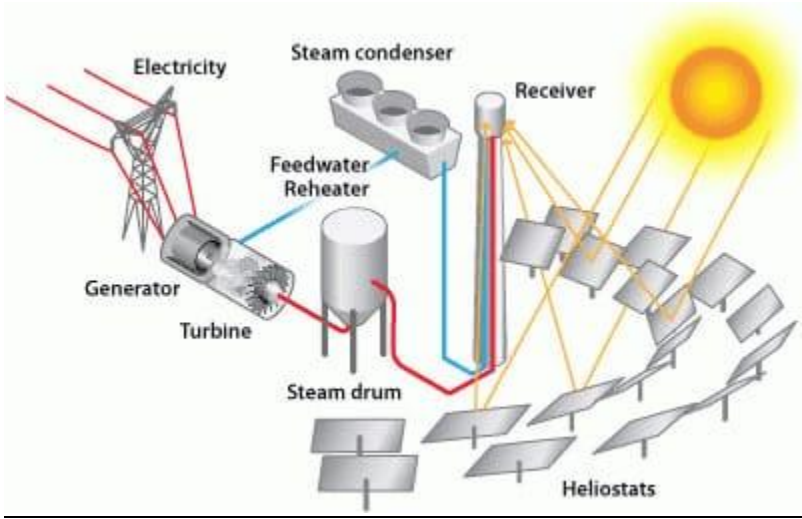


PASSIVE SPACE CONDITIONING & COLLECTORS

SOLAR RADIATION INSTRUMENTS

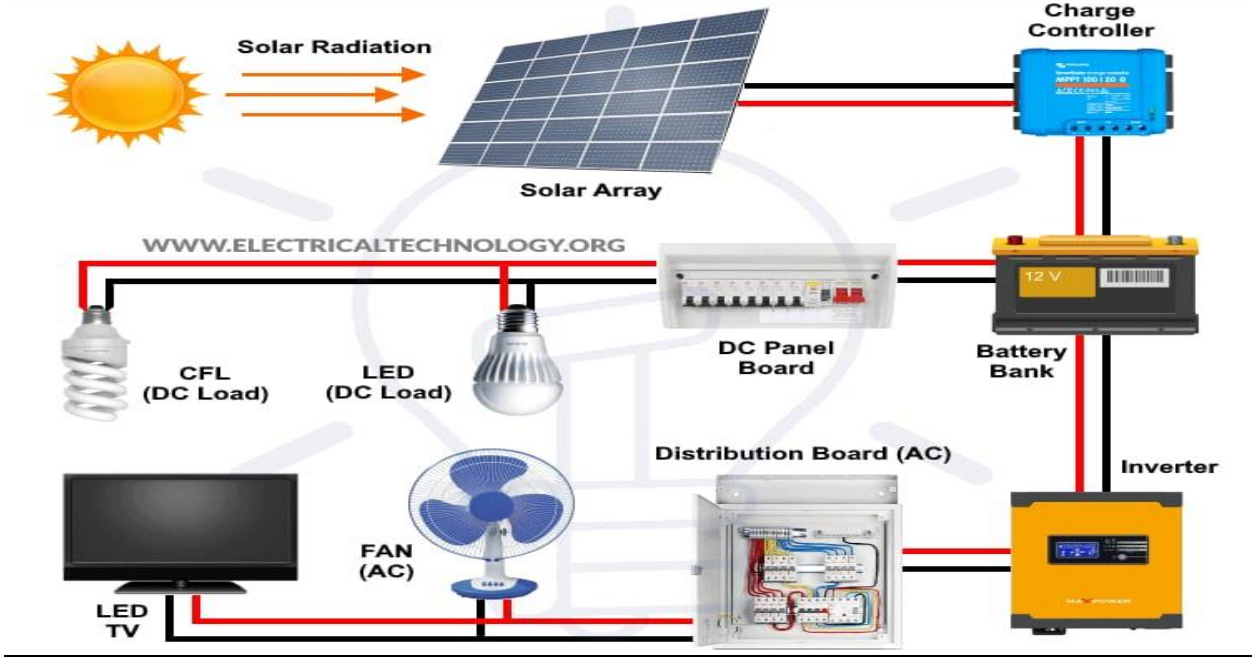


SOLAR THERMAL PLANT

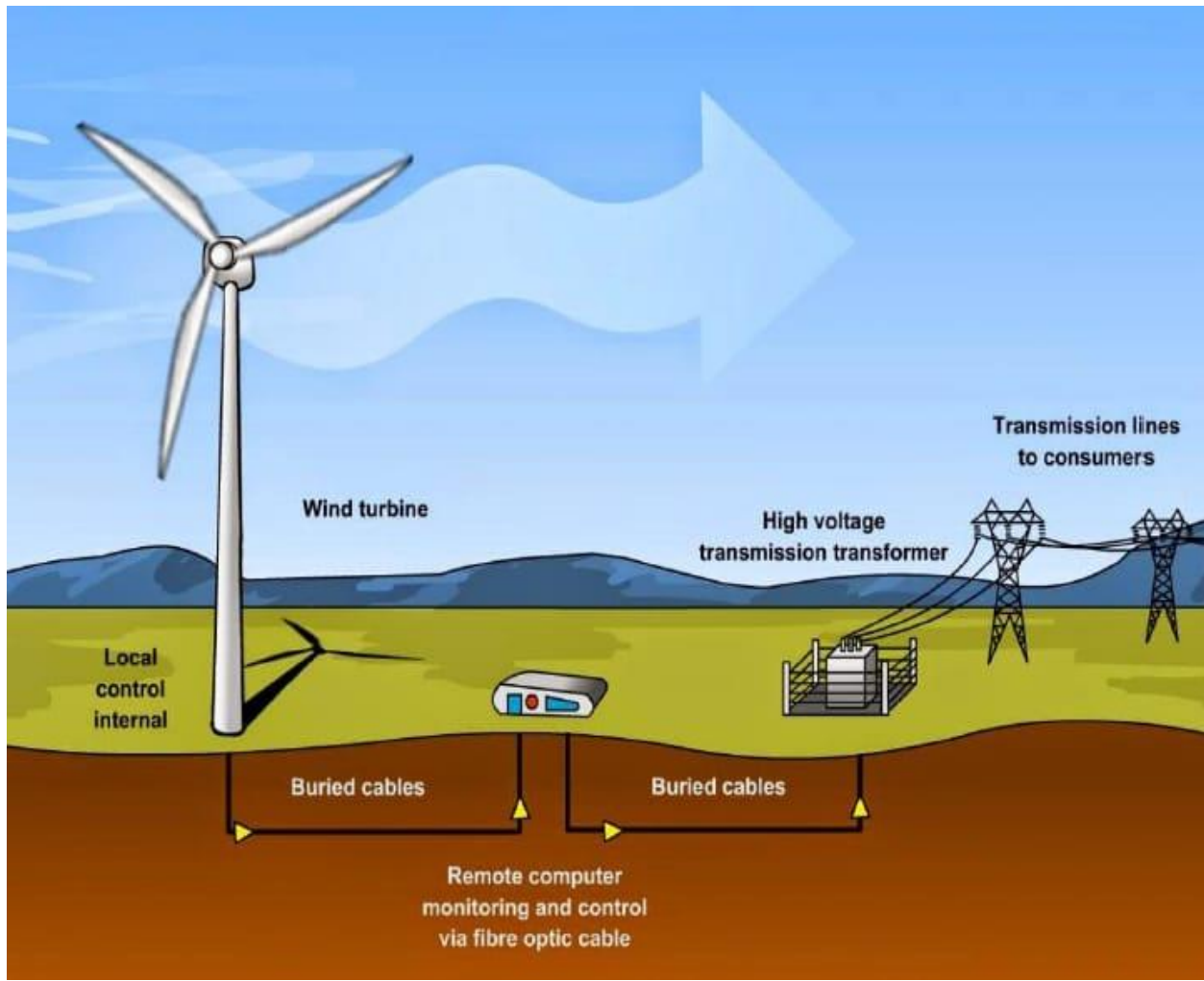


SOLAR PHOTOVOLTAICS

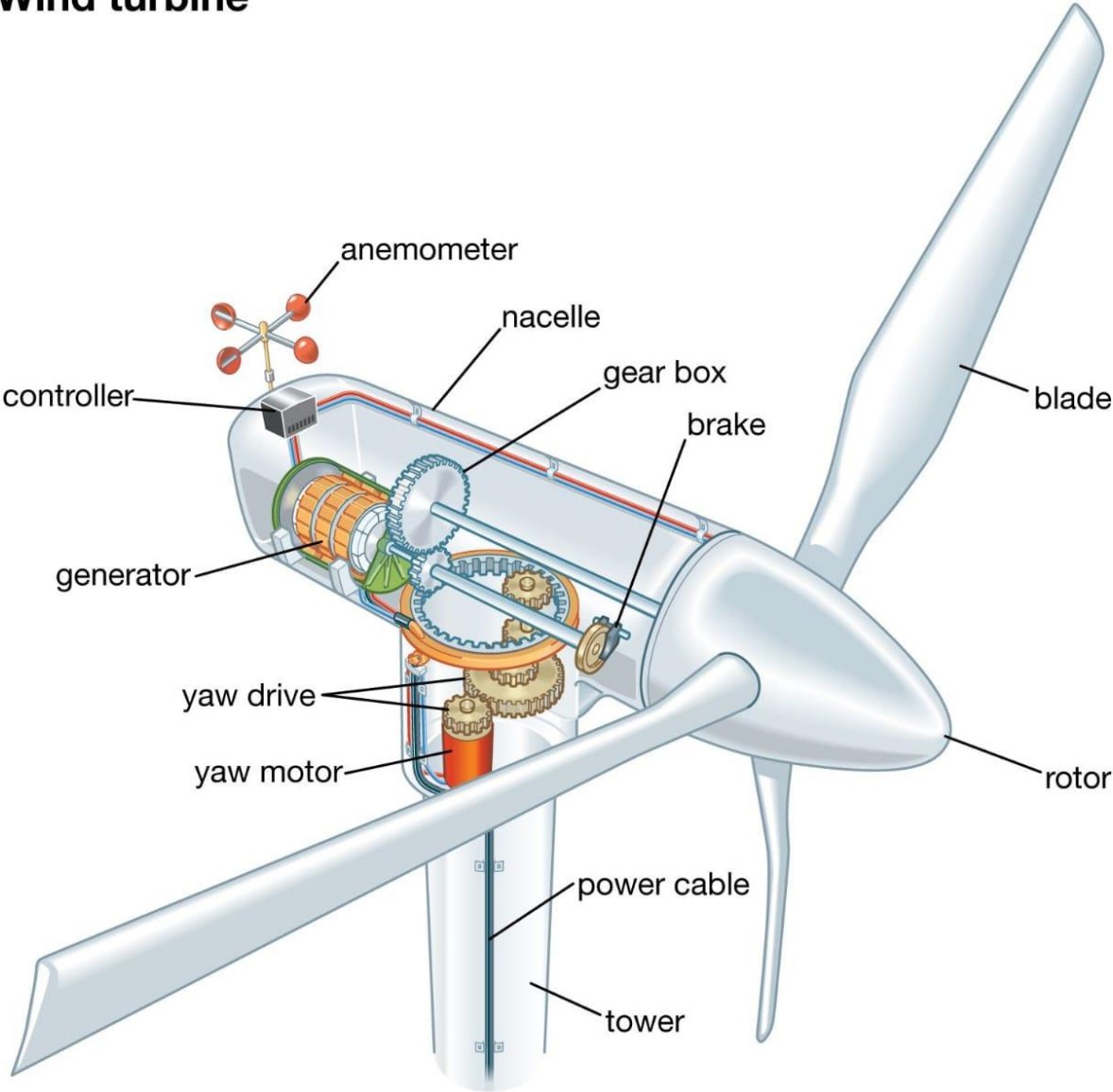
How to Design & Install a Solar PV System

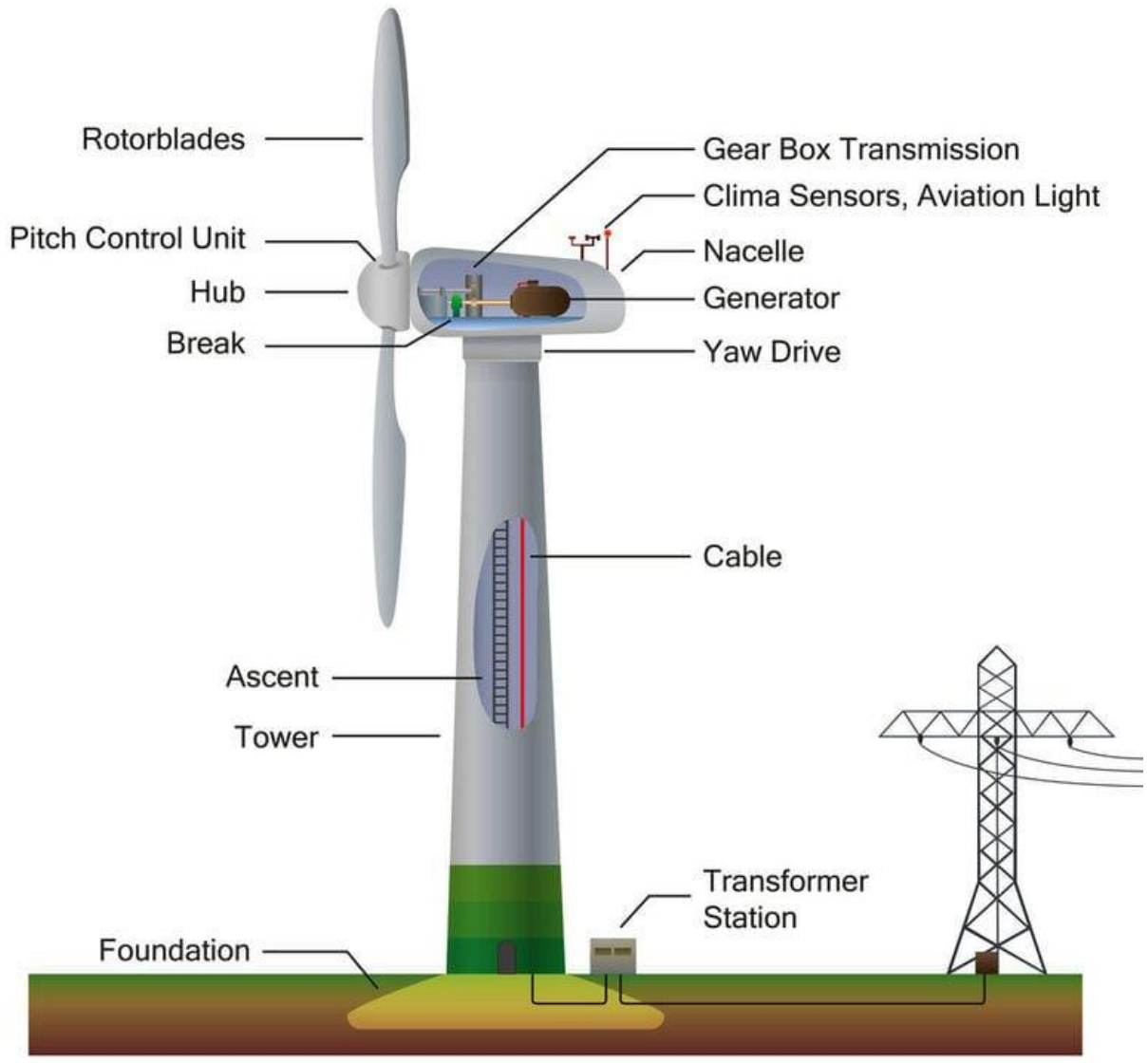


WIND ENERGY

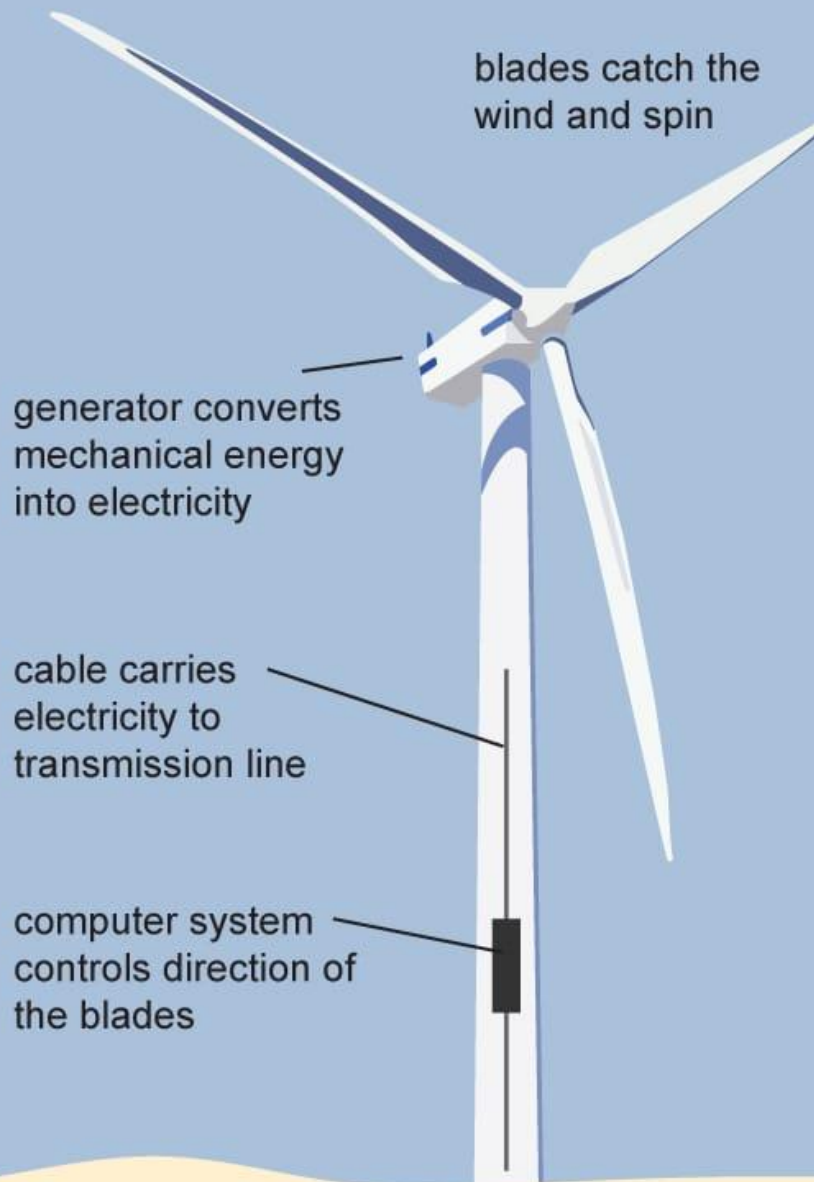


Wind turbine





Horizontal-axis wind turbine



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