

Fig. 9.2.3.1. Schematic of the OTEC open cycle.

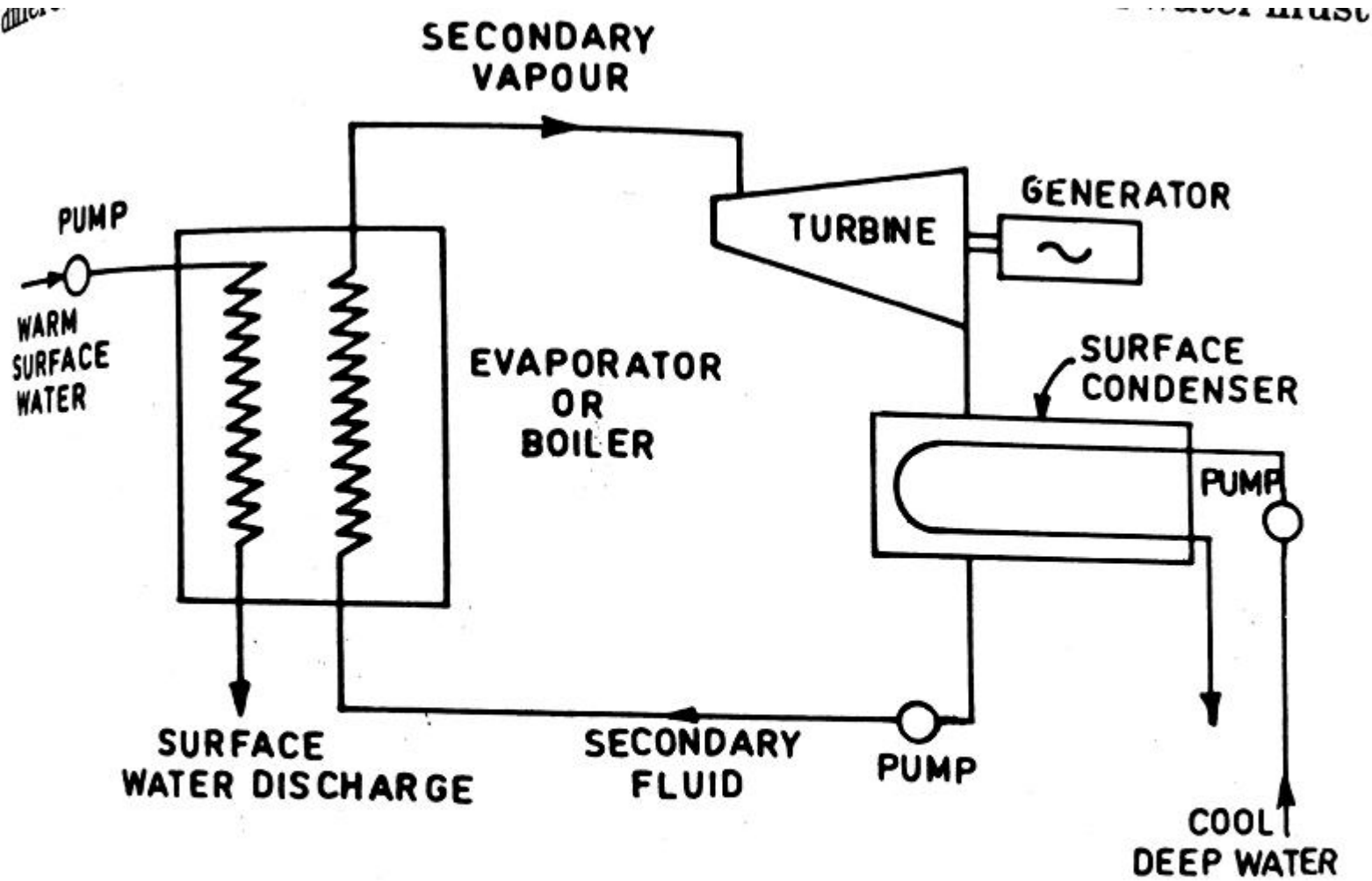


Fig. 9.2.4.1. Schematic of an OTEC closed cycle system.

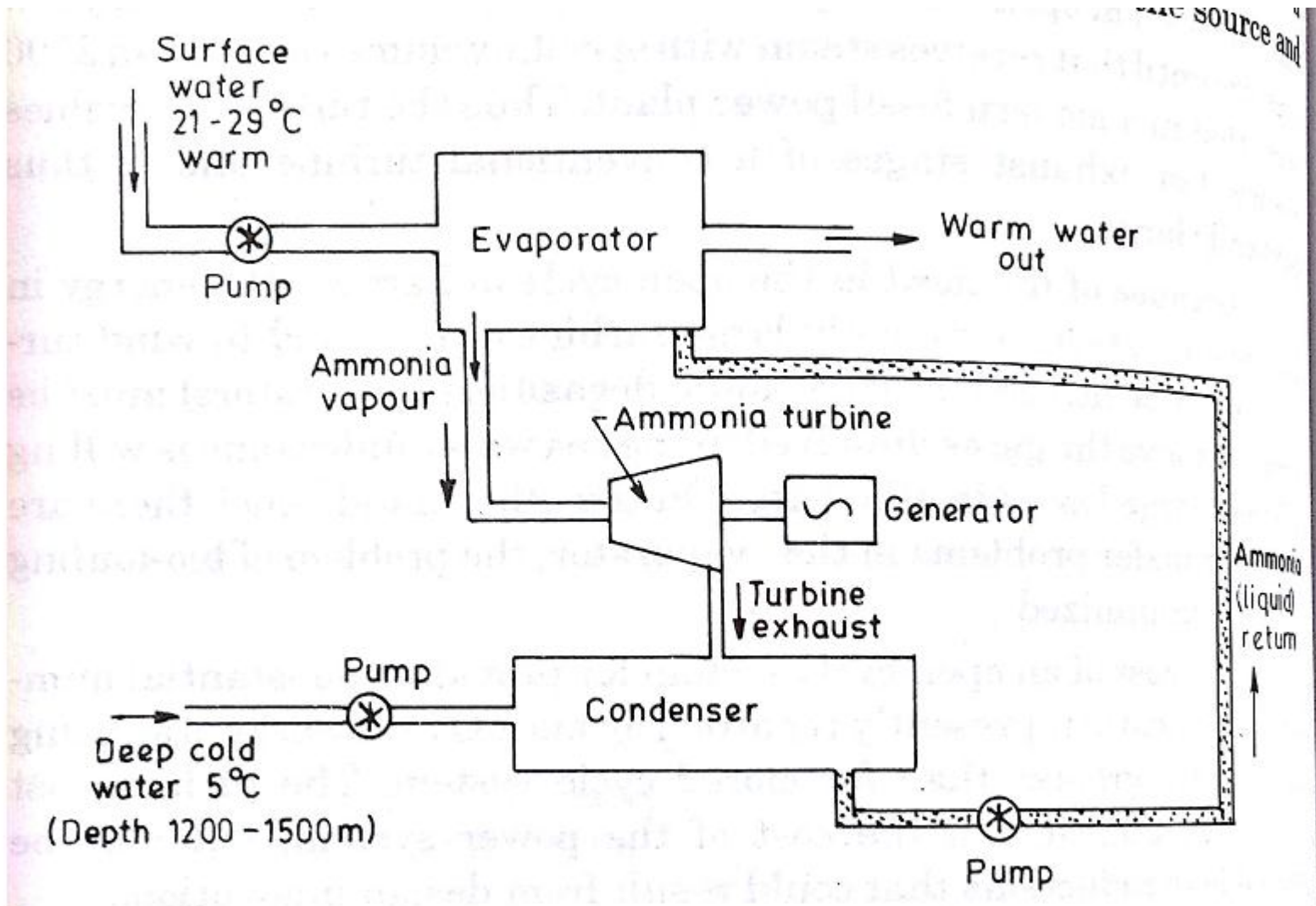


Fig. 9.2.4.2. Schematic of a closed OTEC ammonia cycle.

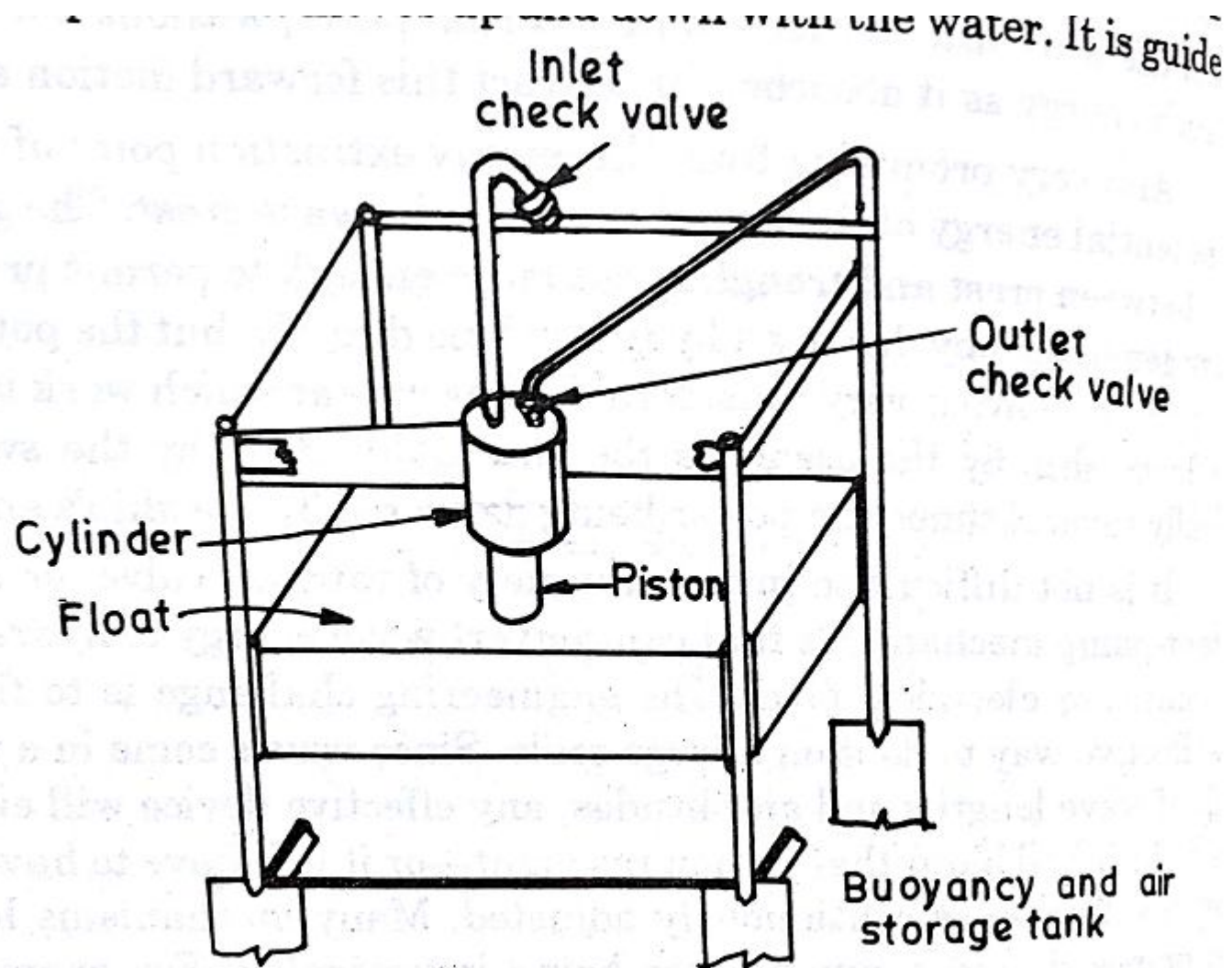


Fig. 9.4.4.1. Schematic of a float wave-power conversion device.

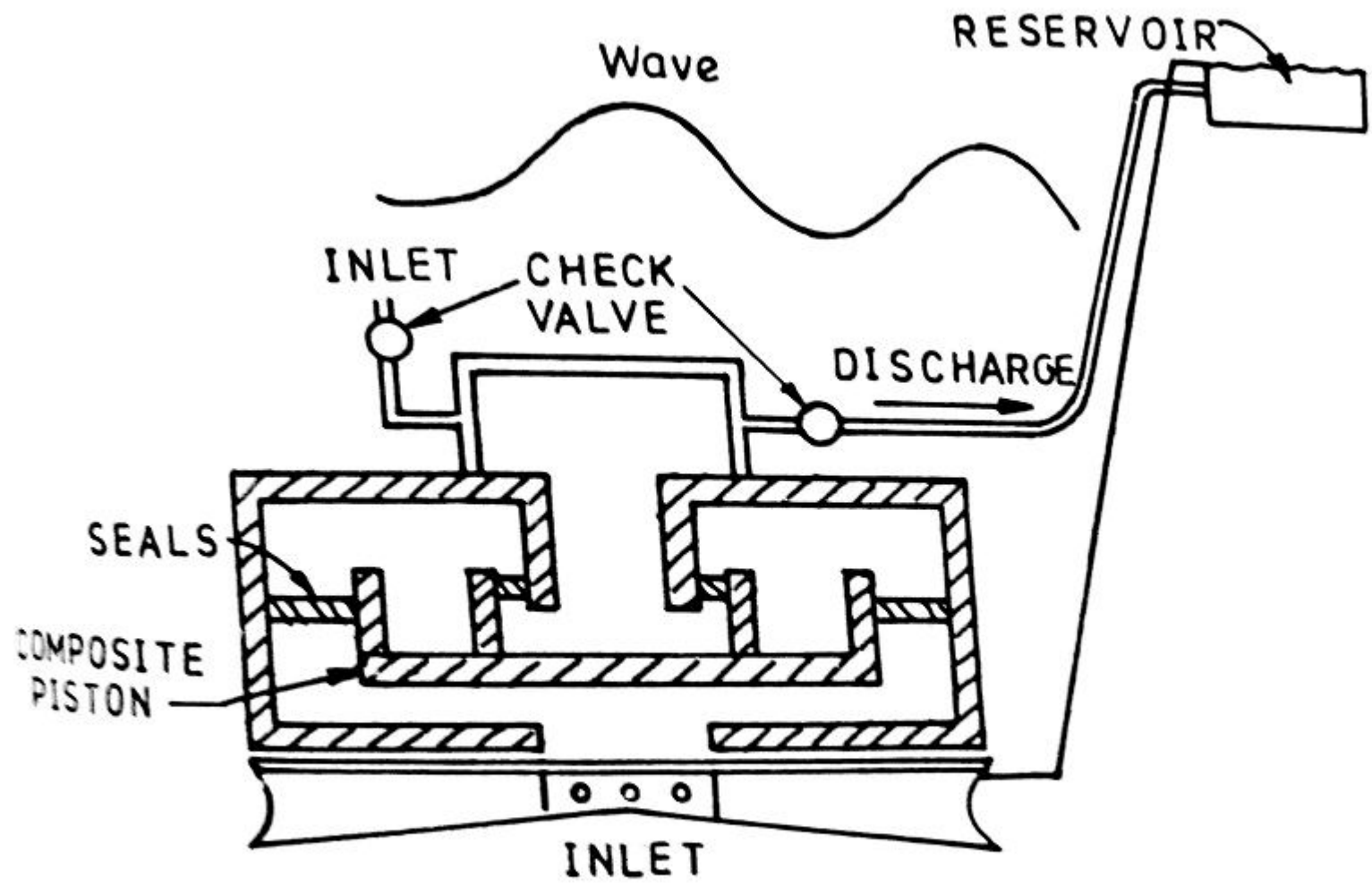


Fig. 9.4.4.2. Schematic of a high-level reservoir wave machine.

water is placed in a reservoir above the wave generator, which

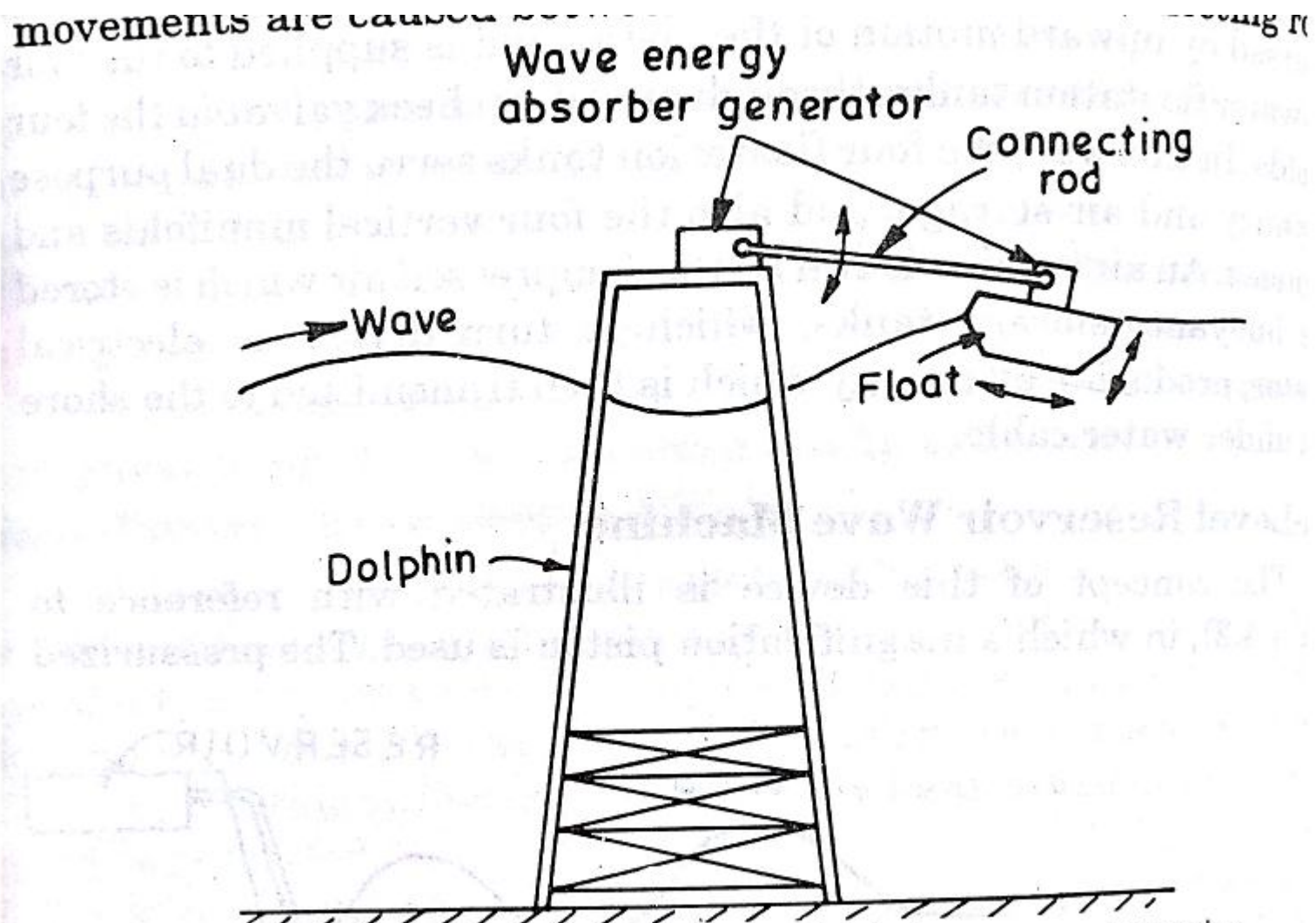


Fig. 9.4.4.3. Schematic of the Dolphin-type wave generator.

other is a nearly vertical or heaving motion about the connectir

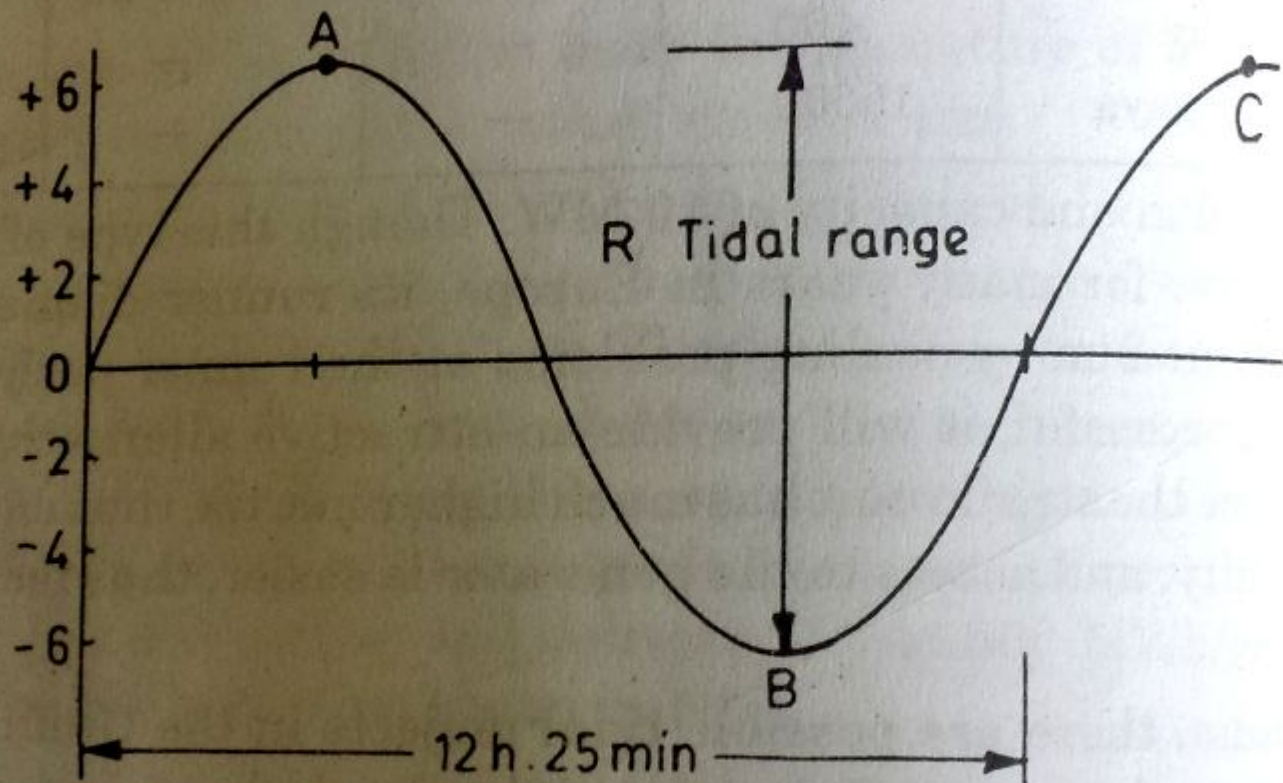


Fig. 9.3.2.1. The tides of sea.

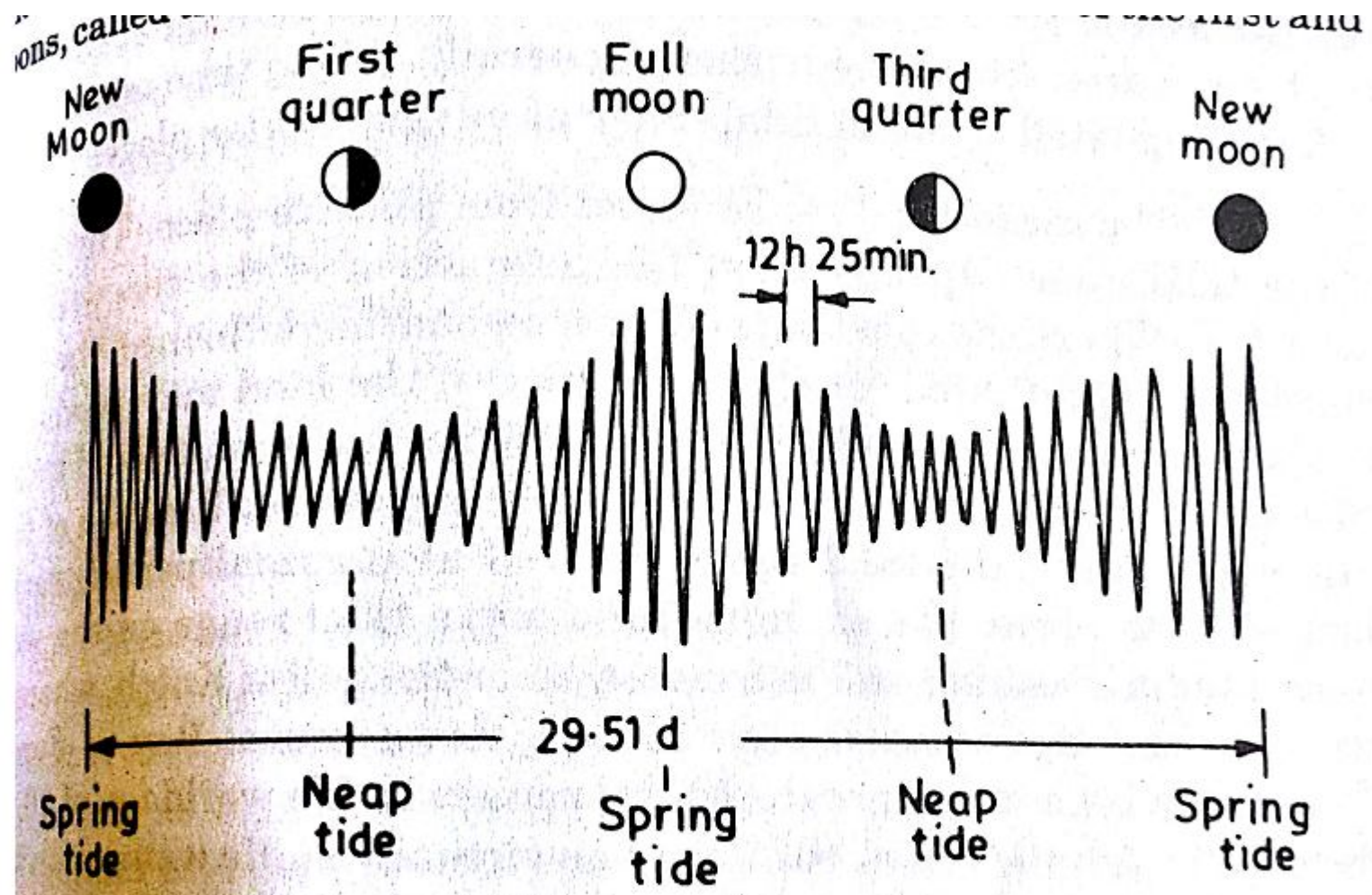


Fig. 9.3.2.2. Relative high and low tides showing variation in range during lunar month.

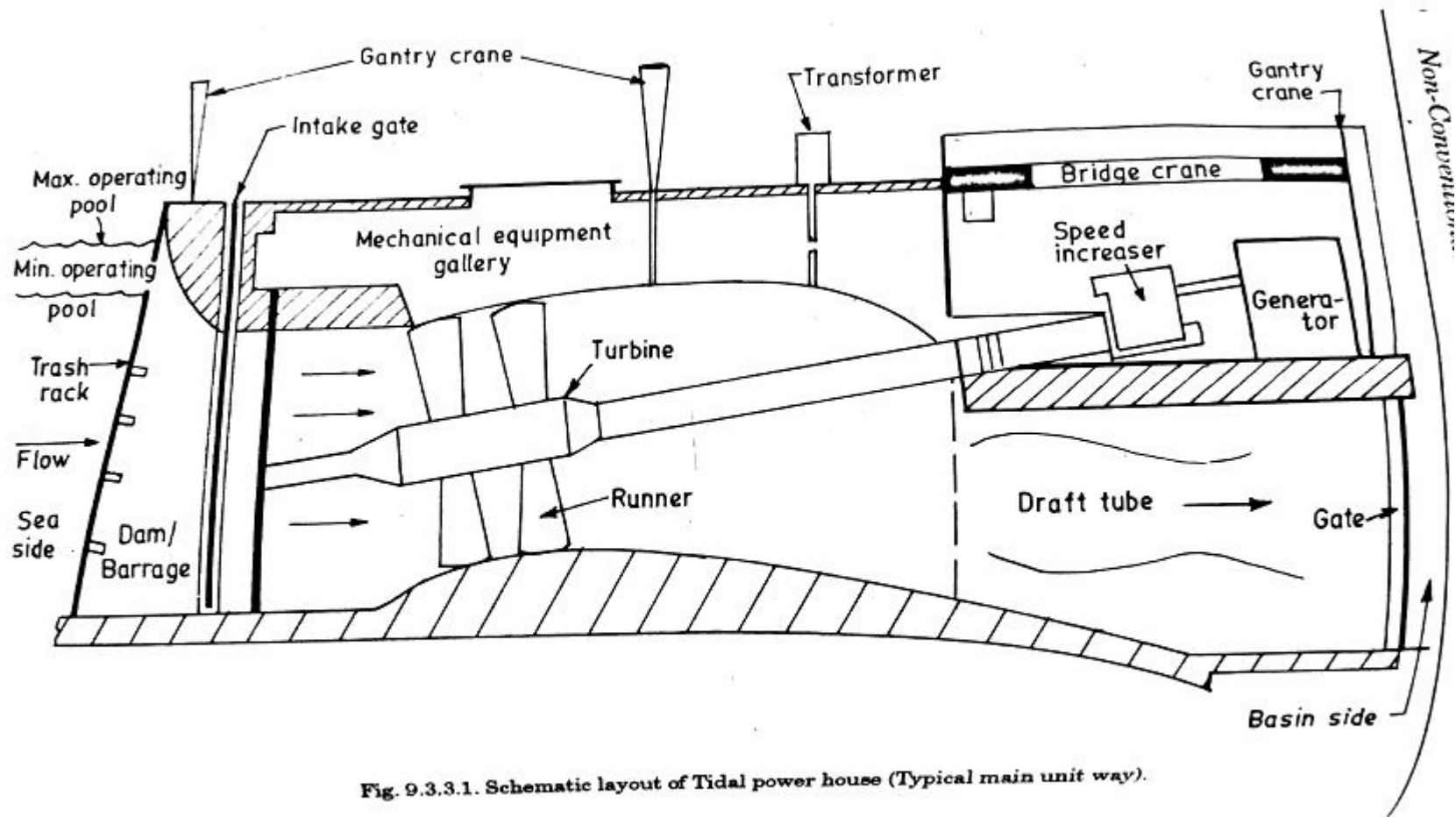
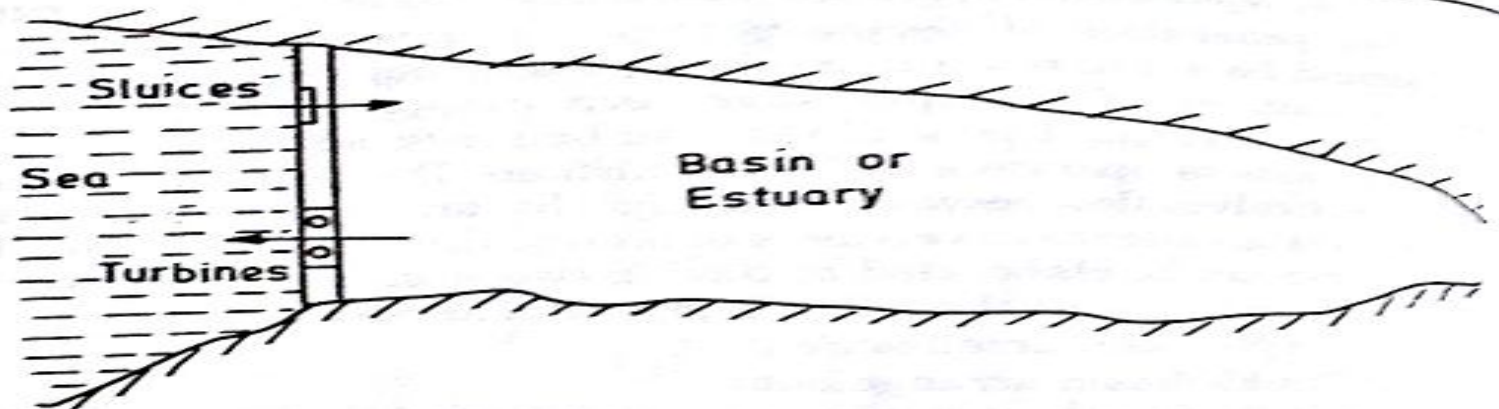
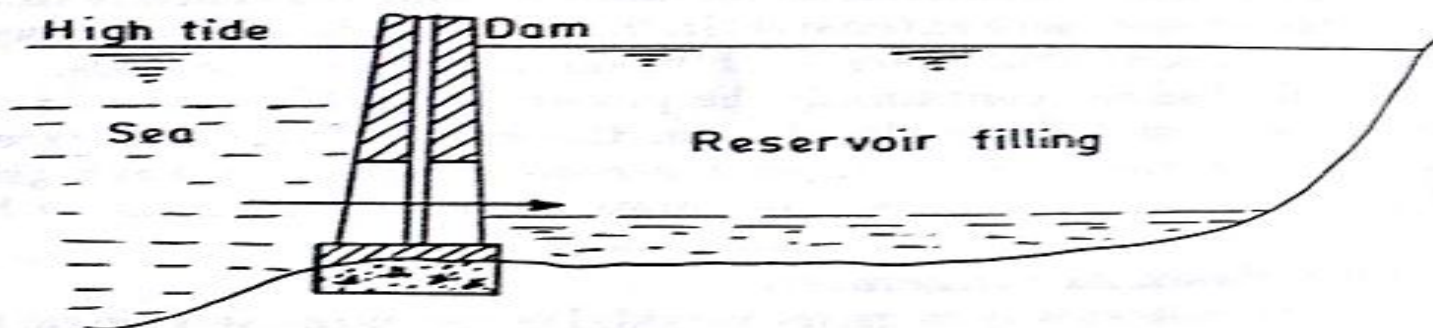


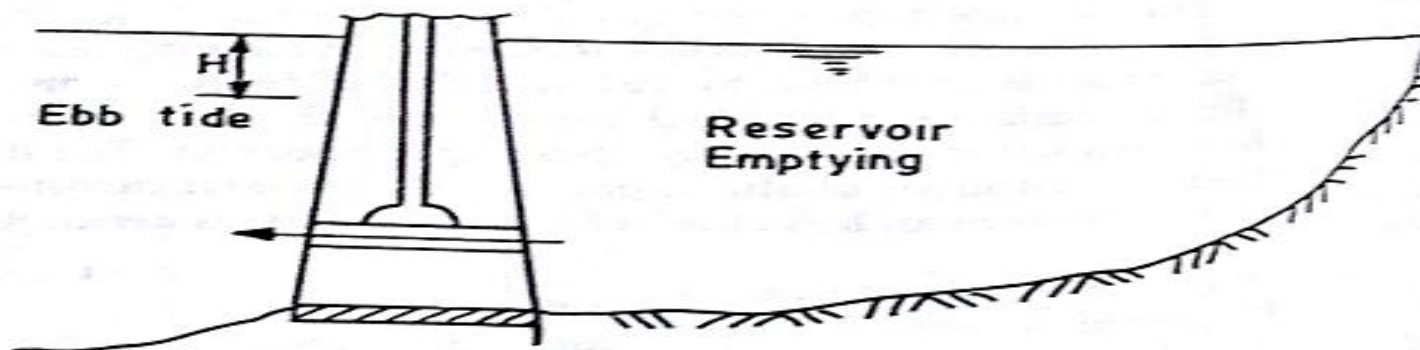
Fig. 9.3.3.1. Schematic layout of Tidal power house (Typical main unit way).



(a) Tidal plant operation (plan).



(b) Sluice gates open, Turbine shut off (Section).



(c) Sluice gates shut, Turbine operation (Section)

Fig. 9.3.4.1. Tidal power plant (single basin operation).

TG. Turbine generator set (reversible turbines)

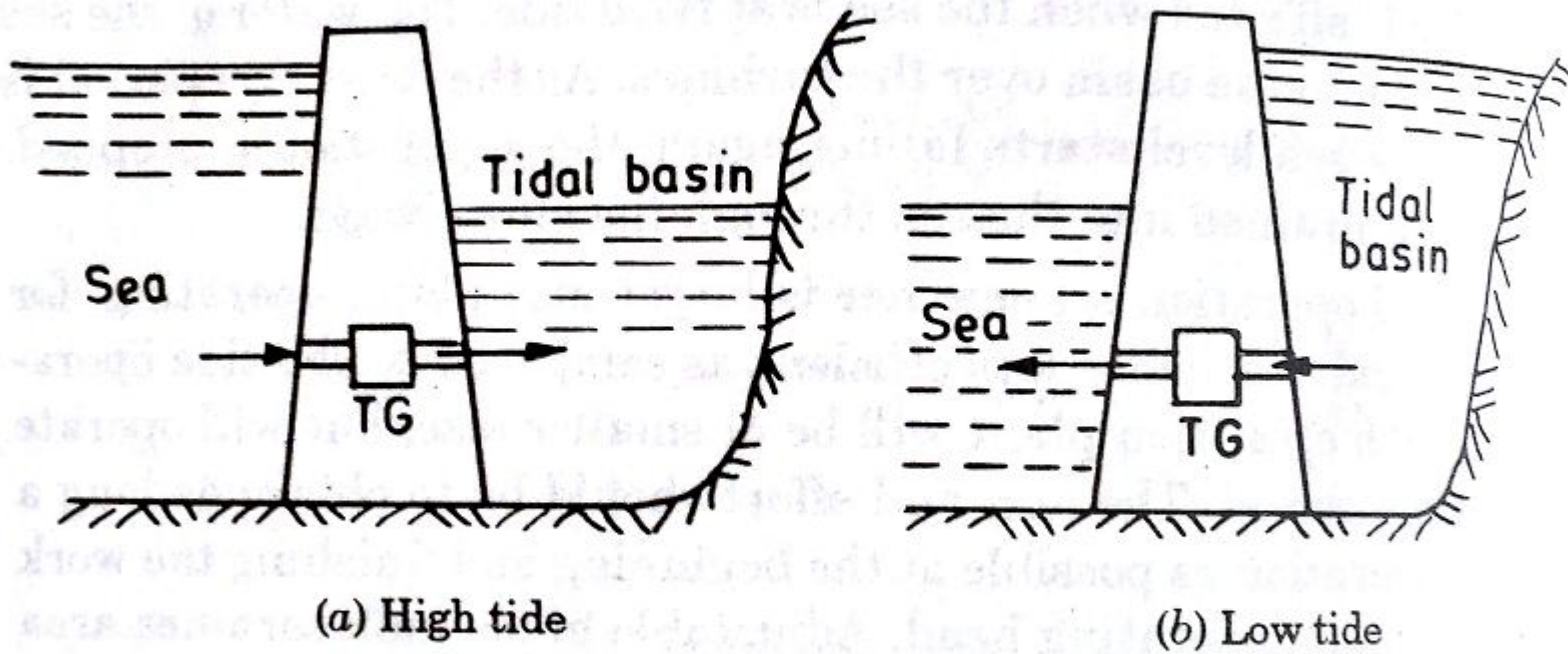


Fig. 9.3.4.2. Double cycle system.

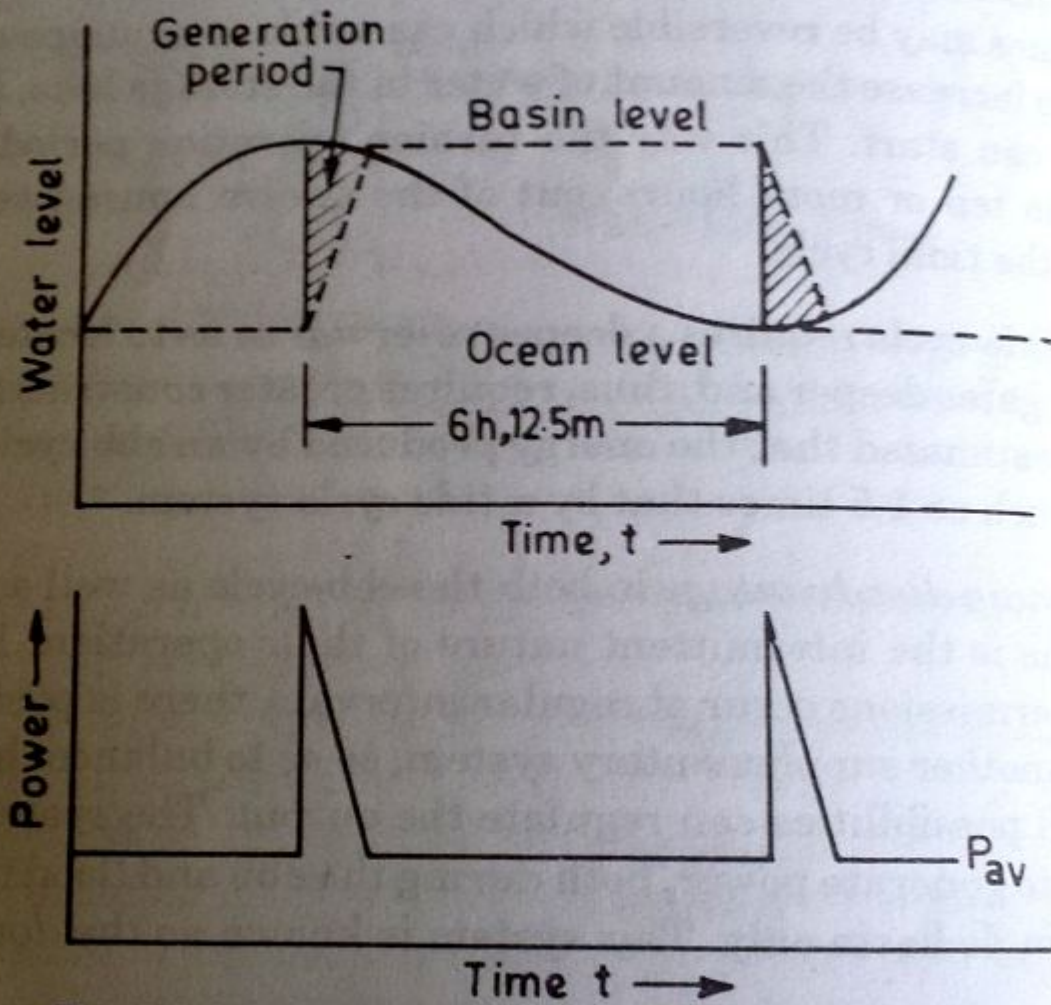


Fig. 9.3.4.3. Ocean and pool levels and power generated in a single-basin tidal system.

tinuously, ...

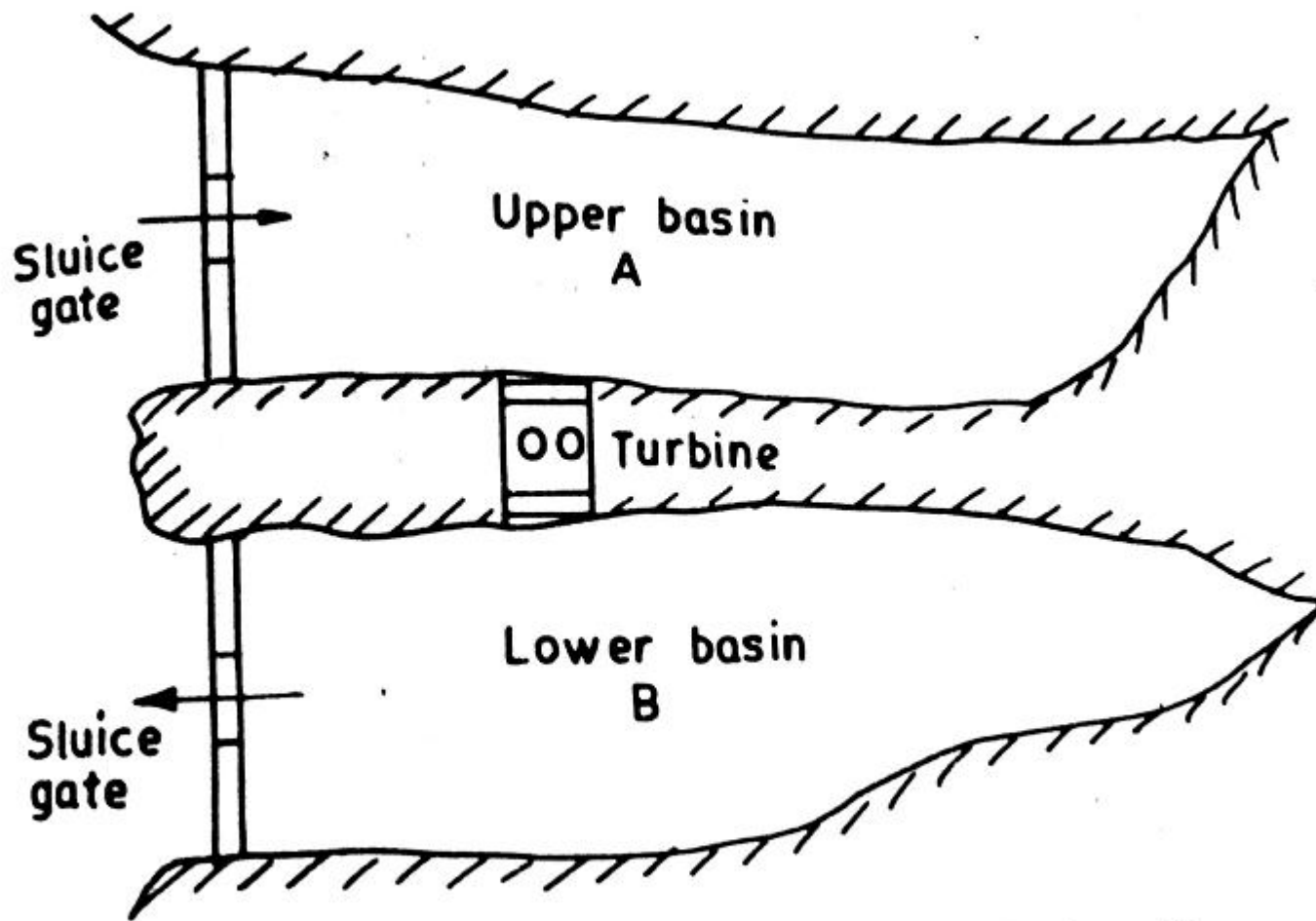
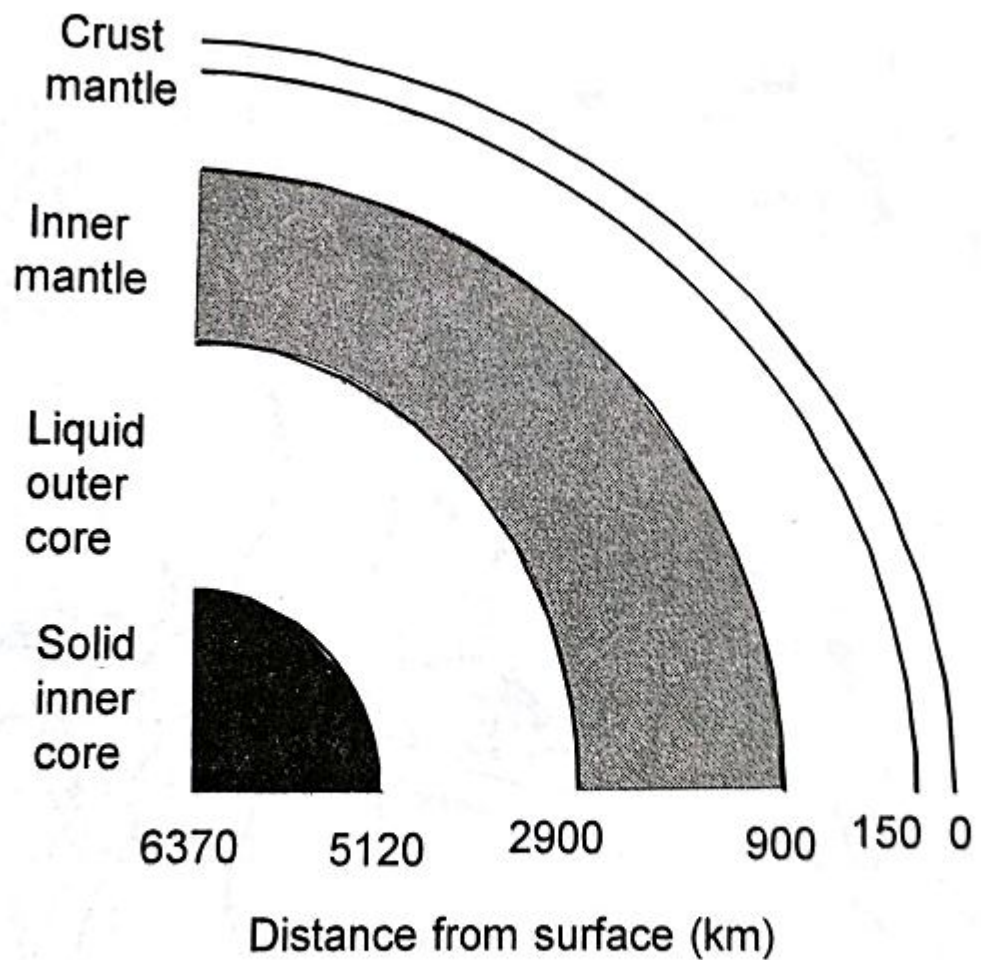


Fig. 9.3.4.4. Tidal power plant Double Basin Operation.

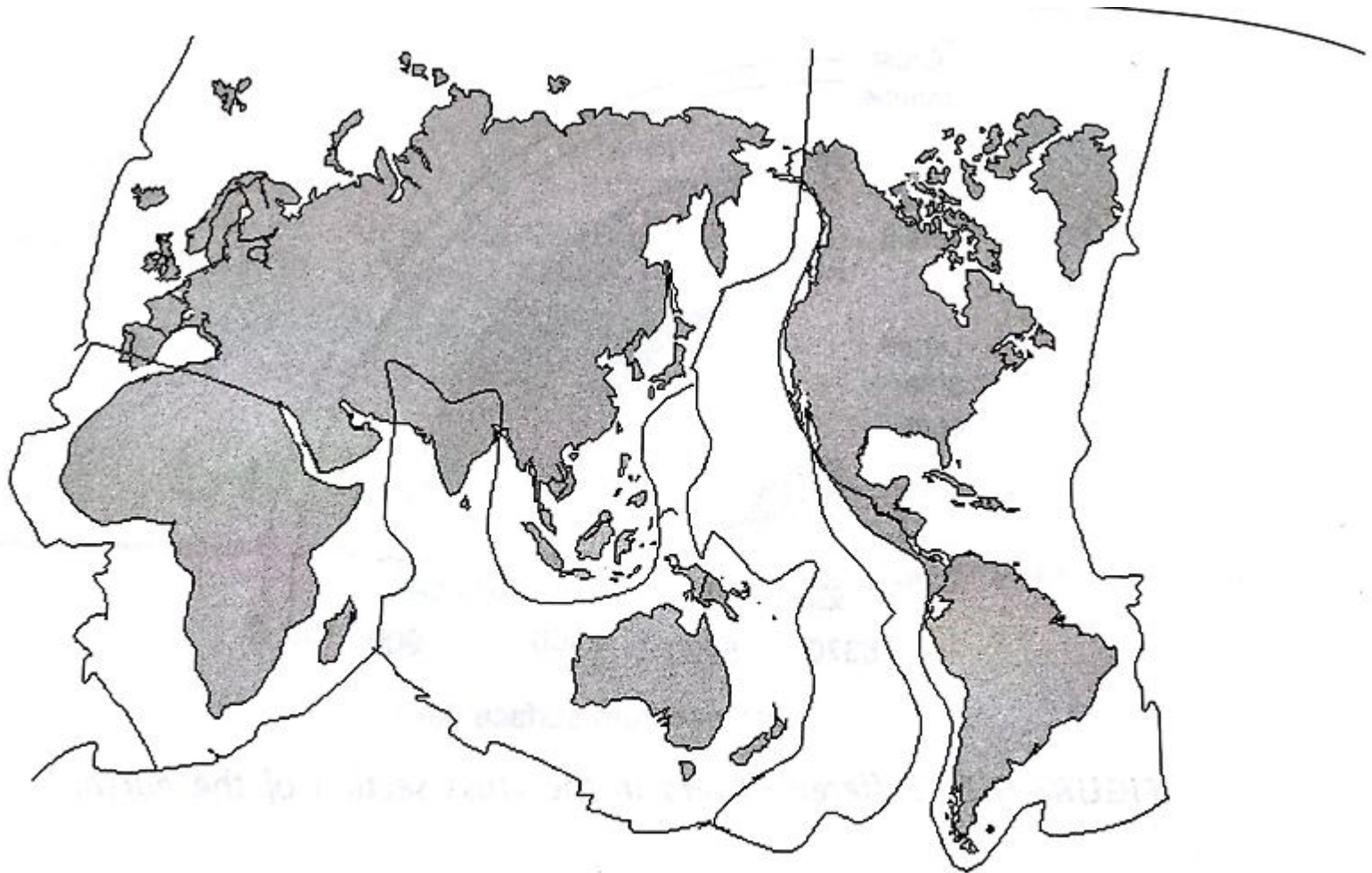
... between the two



E 9.1 *Different layers in the cross-section of the earth.*



1.2 *Geothermal sites, which are zones of earthquakes and volcanic activity.*



3 *Tectonic plate boundaries. Heat travels very quickly from the inside at the junctions the plates.*

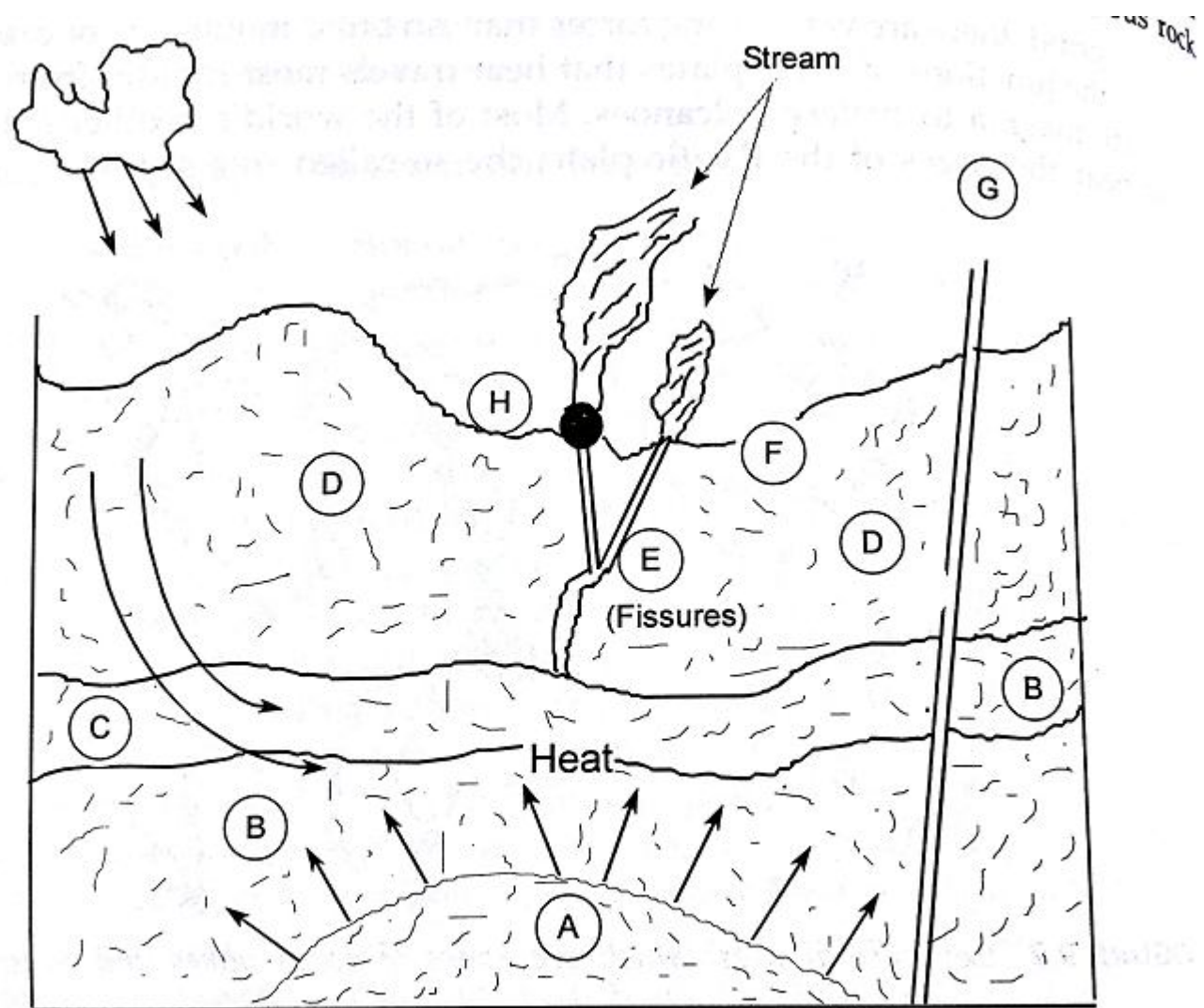


FIGURE 9.4 A typical geothermal field.

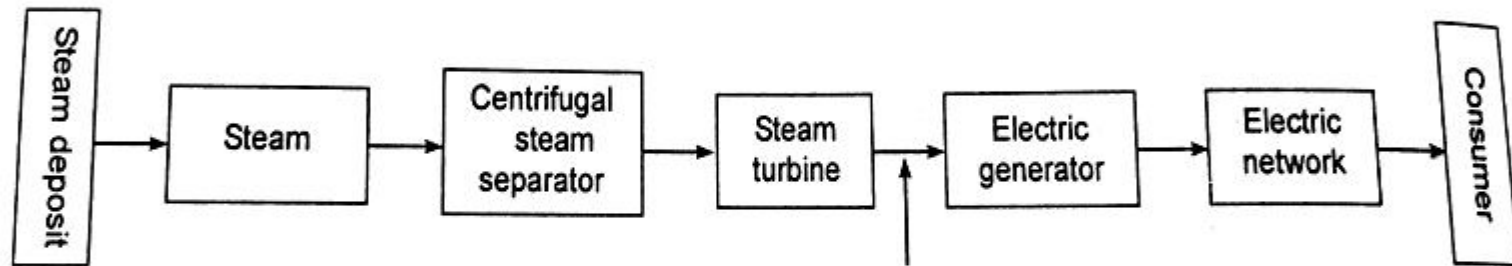


FIGURE 9.5(a) *Vapour-dominated geothermal power plant*

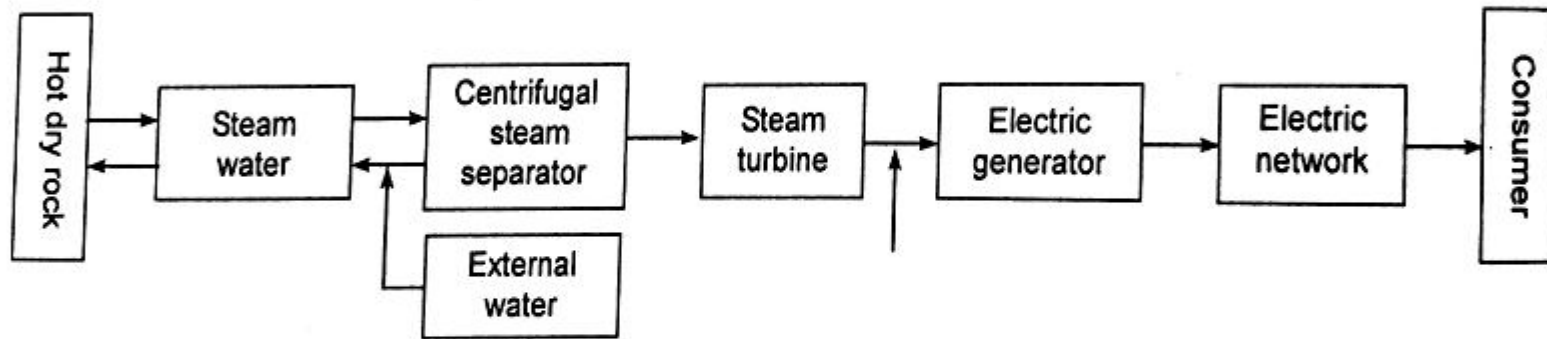


FIGURE 9.5(b) Petrothermal, geothermal power plant.

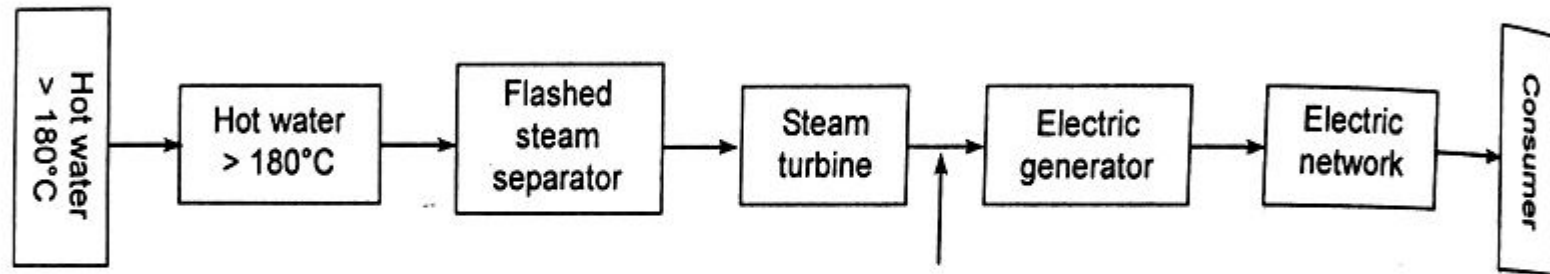


FIGURE 9.5(c) *Liquid-dominated flashed steam geothermal power plant.*

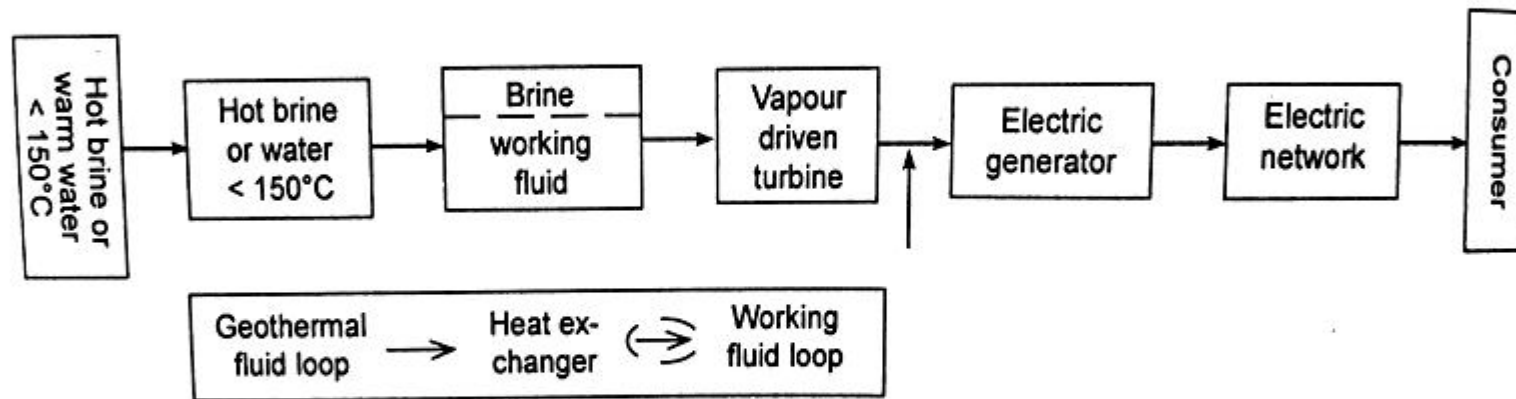


FIGURE 9.5(d) *Liquid-dominated binary cycle geothermal power plant.*

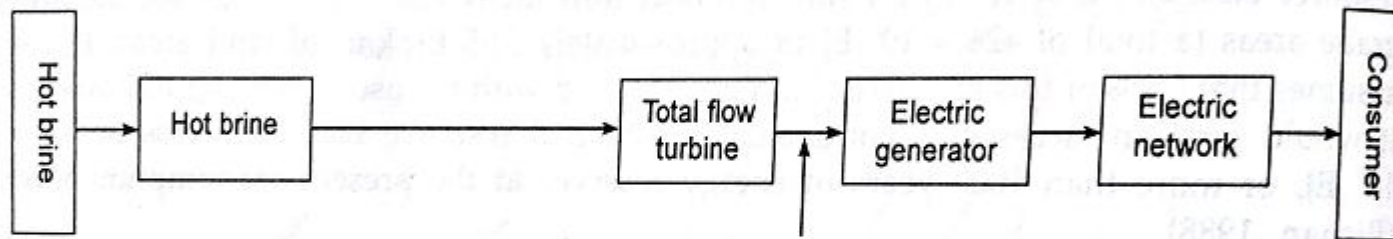


FIGURE 9.5(e) *Liquid-dominated total flow geothermal power plant*

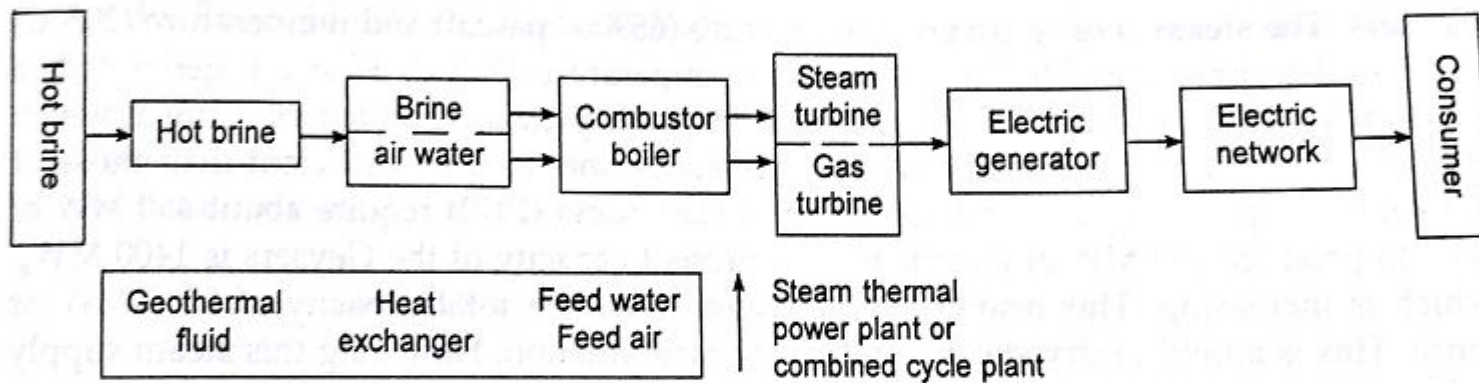


FIGURE 9.5(f) Hybrid geothermal—conventional power plant.

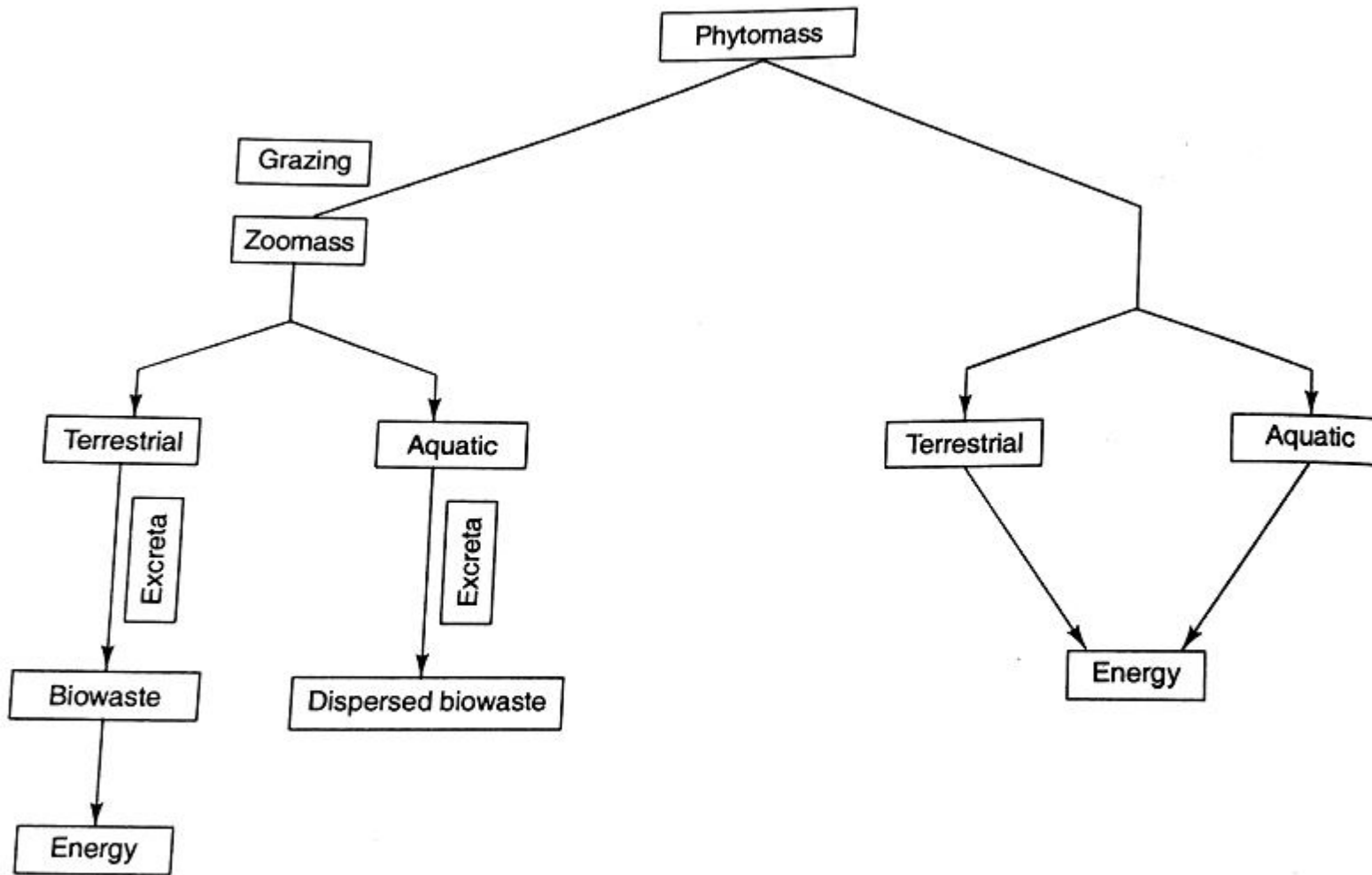


FIGURE 4.1 The solar energy—biomass energy pathways.

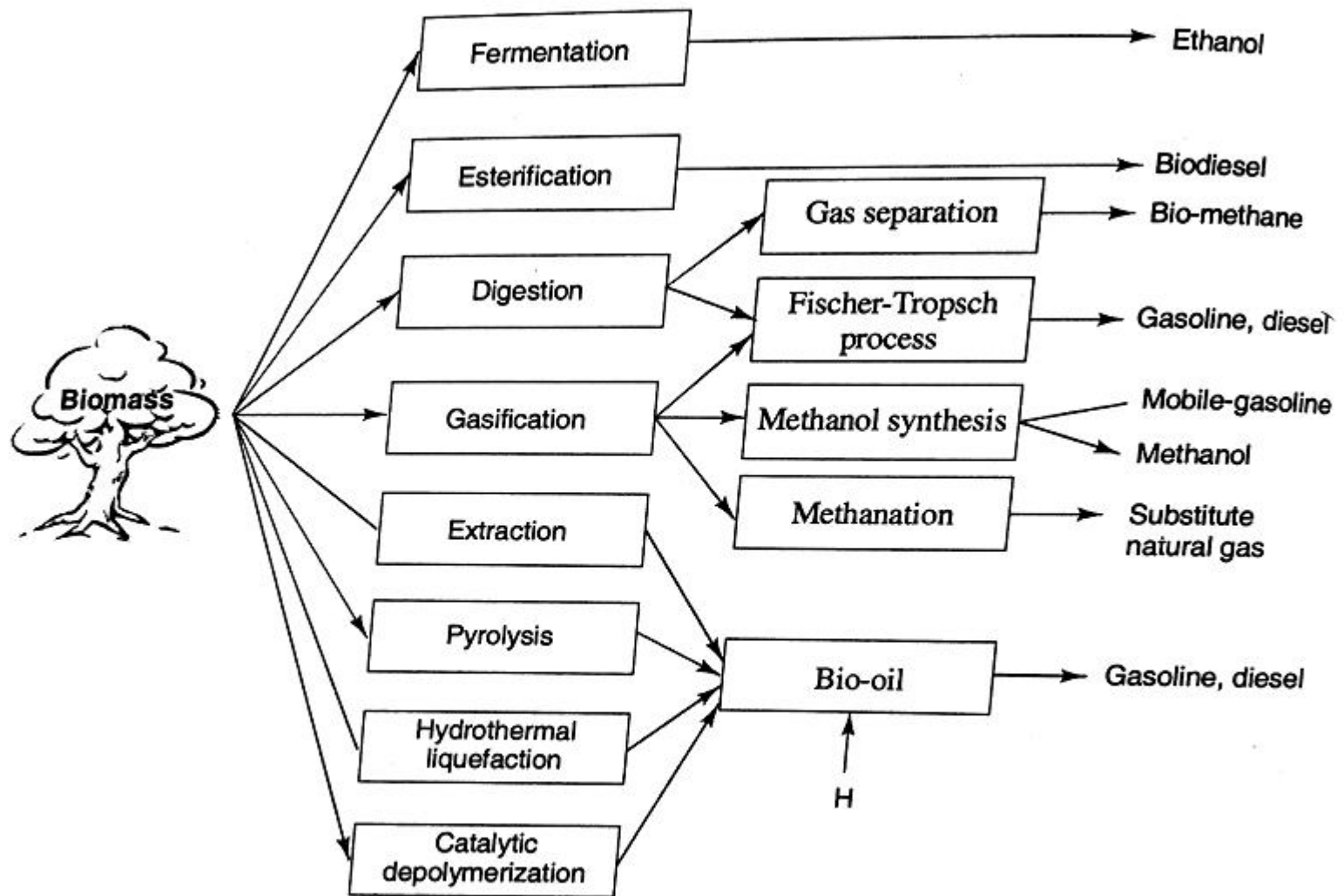


FIGURE 4.2 Different types of fuels obtainable from biomass.

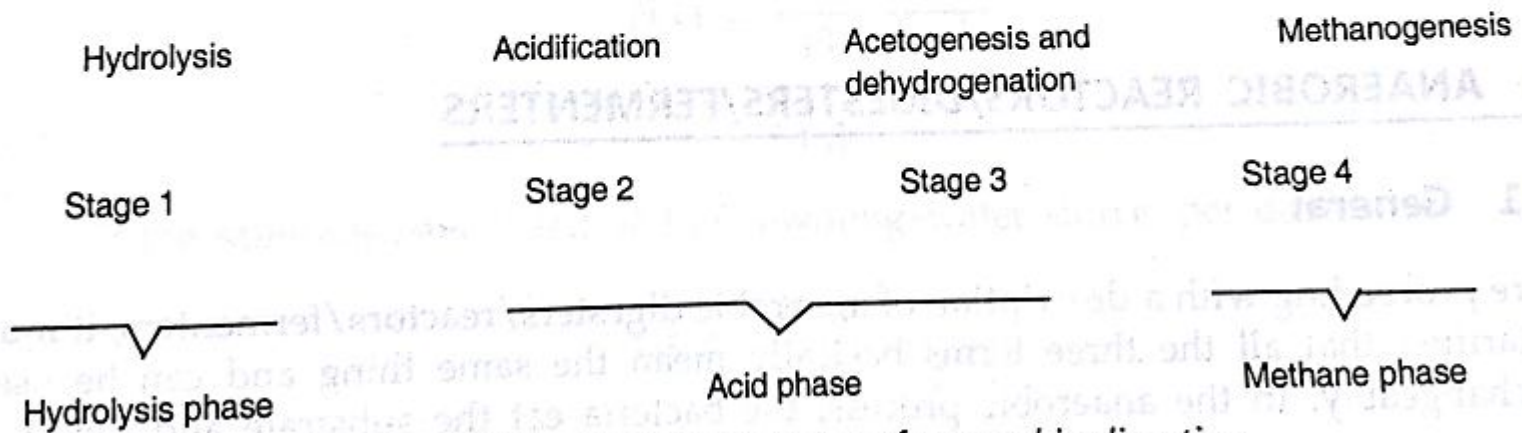
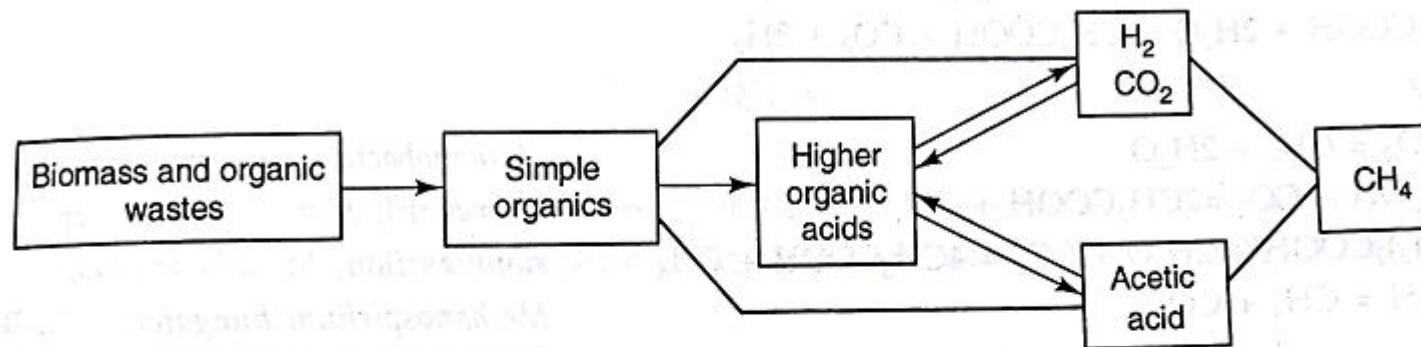


FIGURE 5.1 Four main stages of anaerobic digestion.