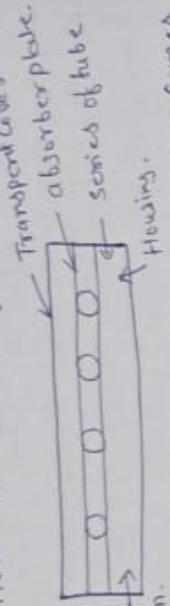


5

6) Discuss how a solar flat collector work



Principle :- When solar radiation from the sun comes in the form of light, to the earth, visible sunlight is absorbed on the ground and transformed into heat energy; the material become warm and store heat conducts it to surrounding material or radiates it to other material of lower temperature.

b) Flat Collector

Flat plate collector is simplest in design and it is most important part of any solar thermal system.

- c) Component :-
- (i) Absorber plate
  - (ii) Transparent cover
  - (iii) Insulation
  - (iv) Box.