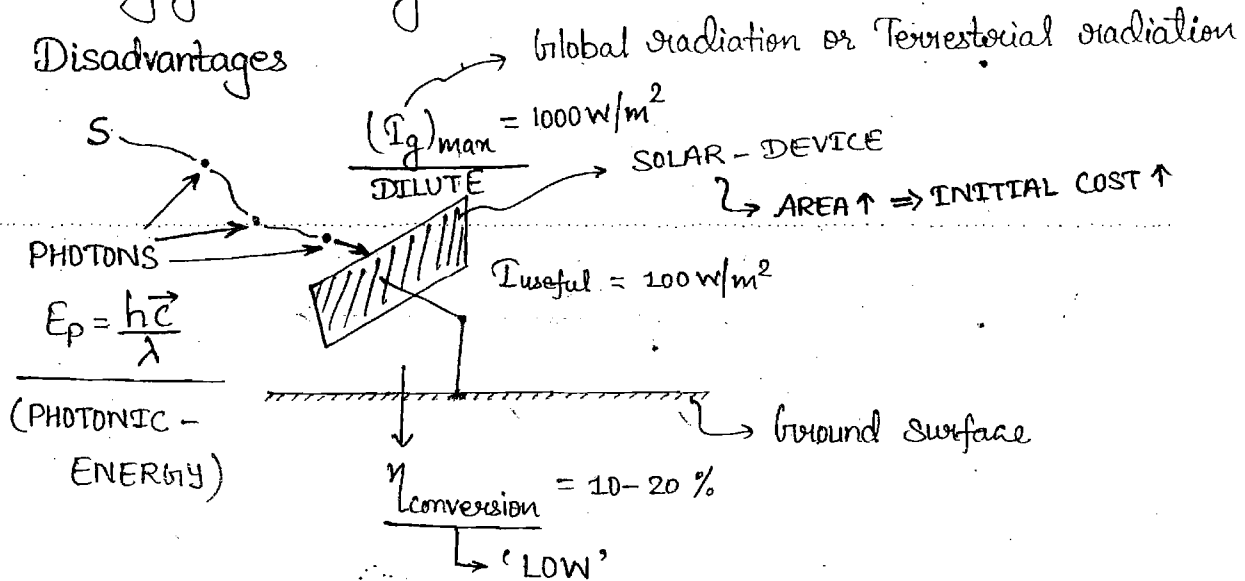


ii) Infinite Source

iii) Green Energy :- Without any emissions

iv) Negligible running cost

Disadvantages

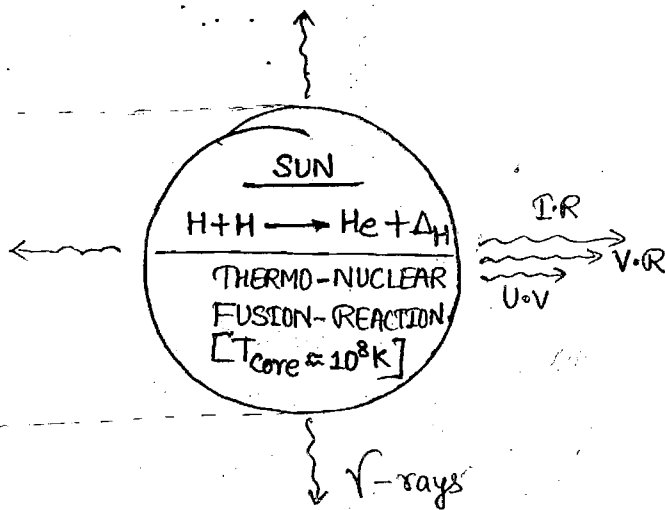


i) Dilute form of energy

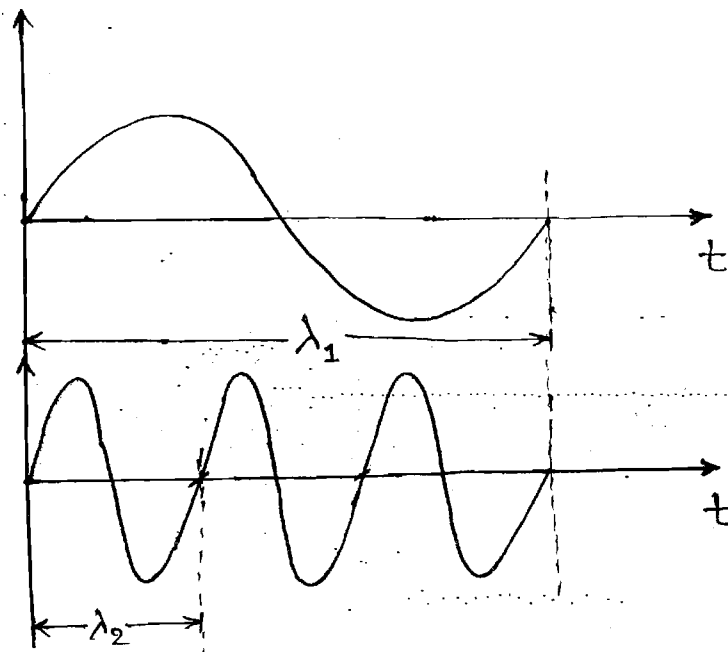
ii) Unpredictable or intermittent (highly weather dependency)

iii) High initial investment

SOLAR QUANTIFICATION



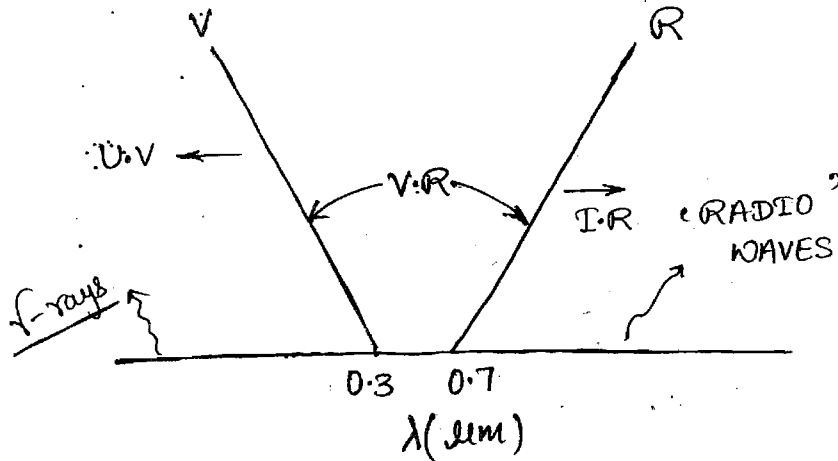
If wavelength (λ) is less it means frequency will be more (short wave). Hence, number of collision in the same thickness of the material will be higher and shorter travel length.



$$\downarrow \lambda \Rightarrow \uparrow \Rightarrow T_{\text{SOURCE (CORE)}} \uparrow$$

PENETRATION DEPTH \uparrow

TRAVELLING DISTANCE \downarrow



i) Sun is at the very high temperature because of the nuclear fusion reaction of the hydrogen atom and due to which it release solar radiation in every possible direction (diffusive body) and assumed to be black body.