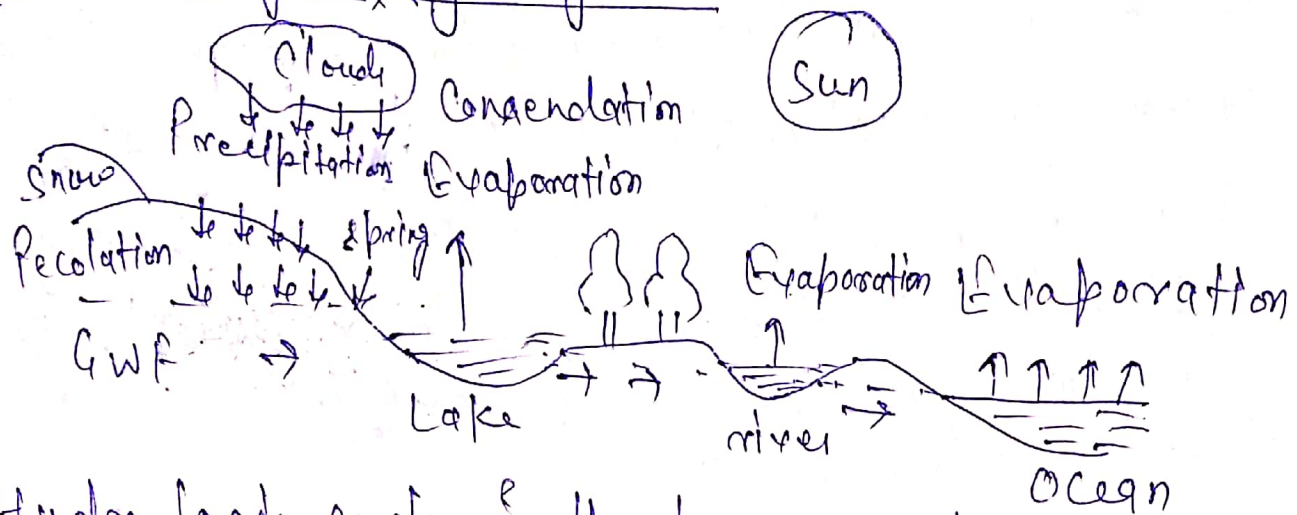


# Hydrologic Cycle



Hydrologic cycle is the process of transfer of moisture from the atmosphere to the earth in the form of precipitation, conveyance of the precipitated water by streams & rivers to ocean & lakes etc. & evaporation of water back to the atmosphere as shown in fig.

This cycle consists of the following processes

- 1) Evaporation & transpiration
- 2) Precipitation
- 3) Runoff — Runoff is that portion of precipitation that is not evaporated.

Thus runoff may be classified as follows —

- i) surface runoff
- ii) Inter flow
- iii) Ground water flow or Base flow

$$\text{Precipitation (P)} = \text{Evaporation (E)} + \text{Runoff (R)}$$