

Forest Hydrology: Lec 1

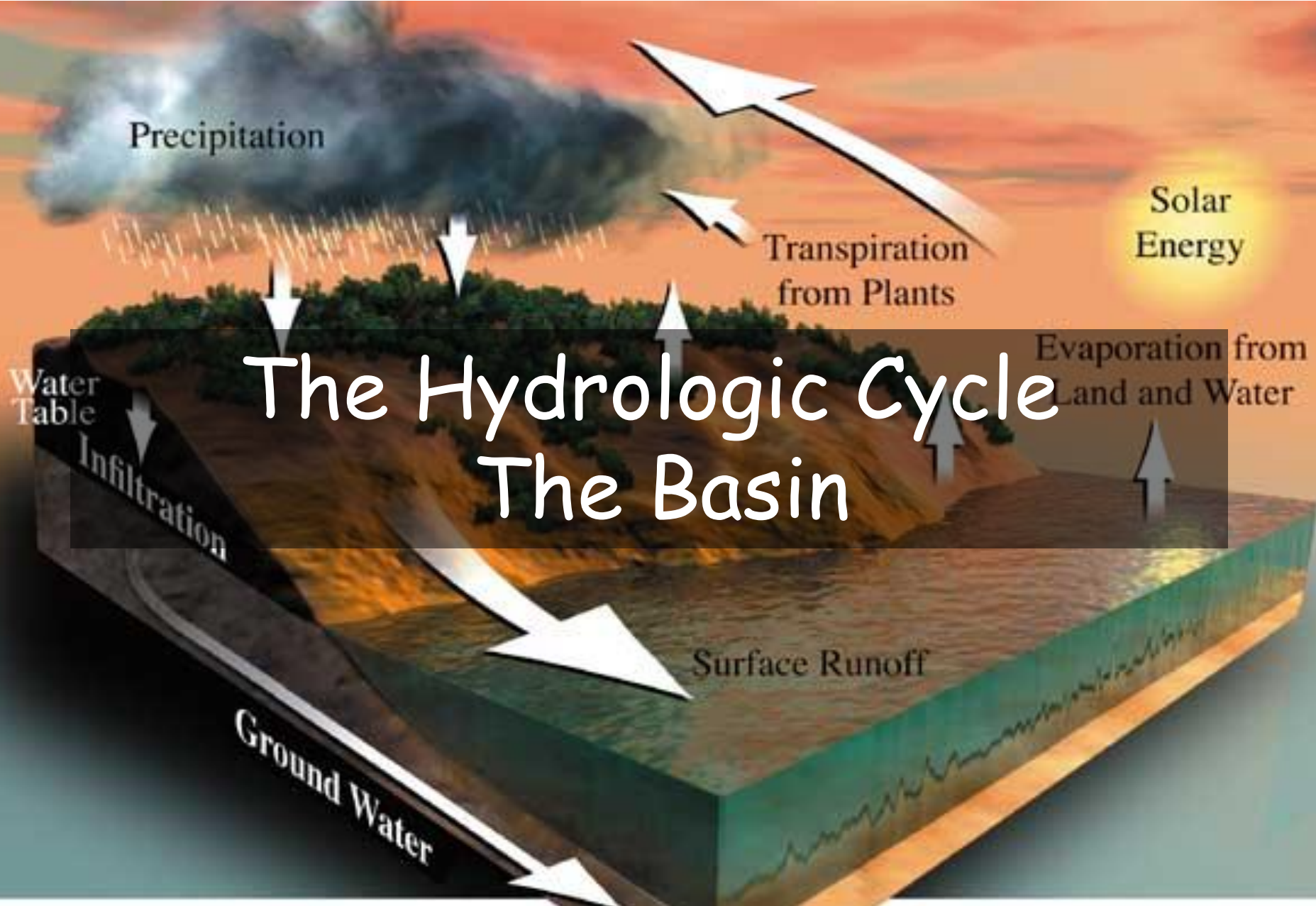
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- Hydrology and the hydrologic cycle

Hydrology and the hydrologic cycle

- HYDROLOGY is the science of water that is concerned with the origin, circulation, distribution and properties of water of the earth.
- FOREST HYDROLOGY is the branch of hydrology which deals with the effects of vegetation and land management on the quantity, quality and timing of water yields, including floods, erosion and sedimentation

The Hydrologic Cycle The Basin



The hydrologic cycle

The hydrologic cycle is the *continual transfer* of water, in various phases, among reservoirs (stores) in the atmosphere, ocean, and continents.

Traditional view of the hydrologic cycle

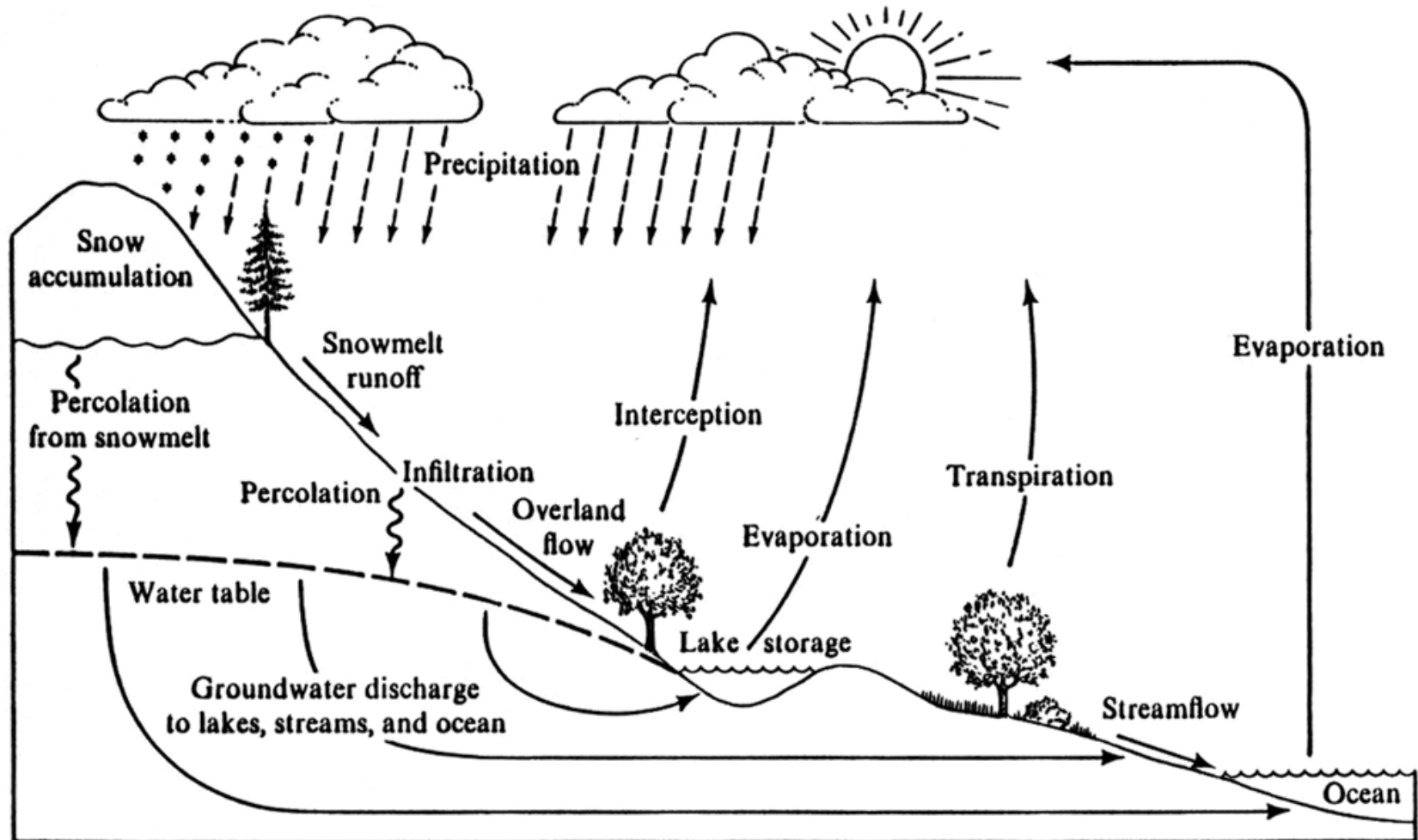


Figure 1-1 Schematic diagram of the hydrologic cycle.

Modern view of the hydrologic cycle

