

Introduction to Physical & Chemical Hydrogeology and Hydrologic Cycle

How much water do we have on earth?



Saline water in oceans: 97%



Ice caps and glaciers: 2.14%



Groundwater: 0.61%



Surface water: 0.009%



Soil moisture: 0.005%



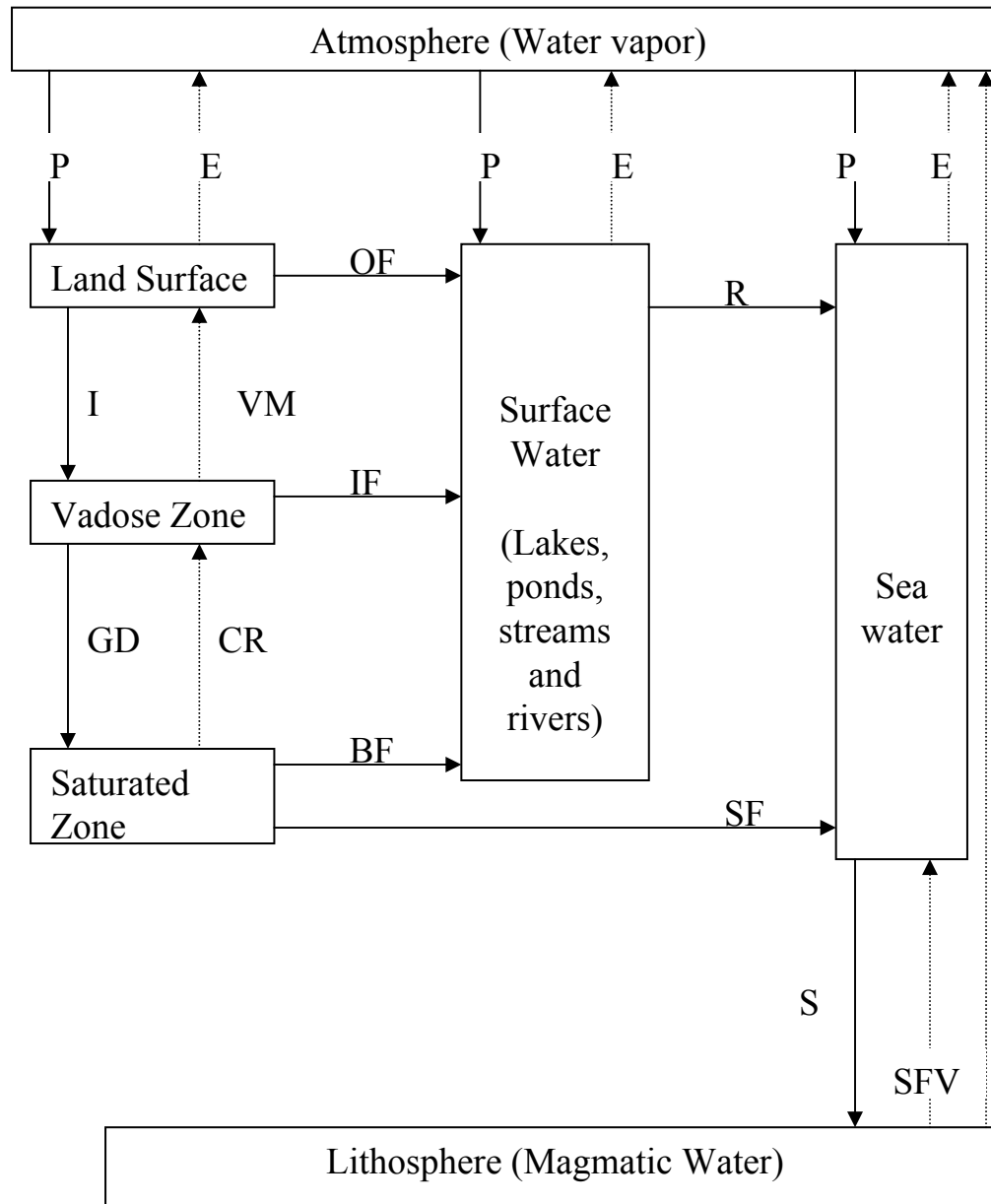
Atmosphere: 0.001%

Ref: Fetter, 1988,
Applied hydrogeology,
3rd ed., Fig. 1.3

What is the hydrologic cycle?



Ref: Murck & Skinner, 1999, Geology today: Understanding our planet, Fig. 12.1



Ref: Fetter, 1988, Applied hydrogeology, 3rd ed., Fig. 1.5