

Homework 1: Water-Balance

GEOS 4430 - Fall '10

Due: Sept. 8th

1. Do problem 6, Chp. 1 of the textbook:
2. Problem 8, Chp. 1. Remember that fluxes are expressed as EUD's (i.e. effective uniform depth to be applied over the area of the entire basin, see Fig. 1). Please adjust the precipitation value to $60.3 \frac{\text{cm}}{\text{yr}}$.

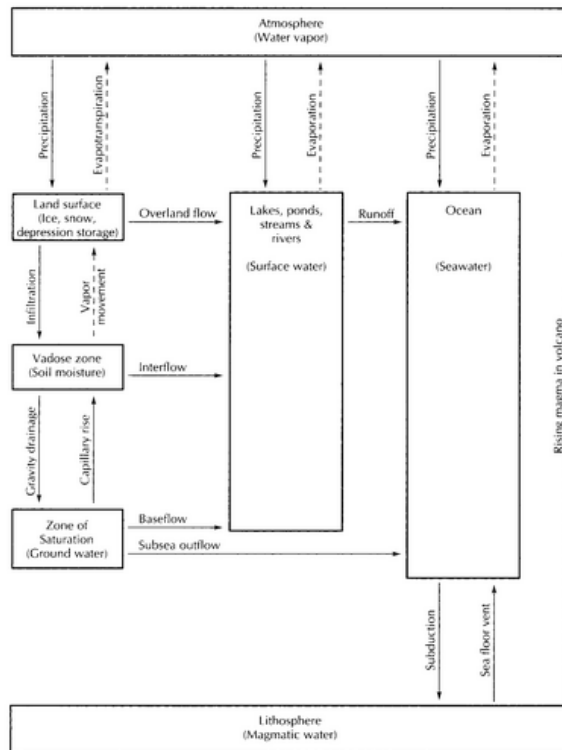


Figure 1: Flowchart view of hydrologic cycle [Fig. 1.4, *Fetter*, 2001].

References

Fetter, C. W., *Applied Hydrogeology*, 4th ed., Prentice Hall, Upper Saddle River, NJ, 2001.