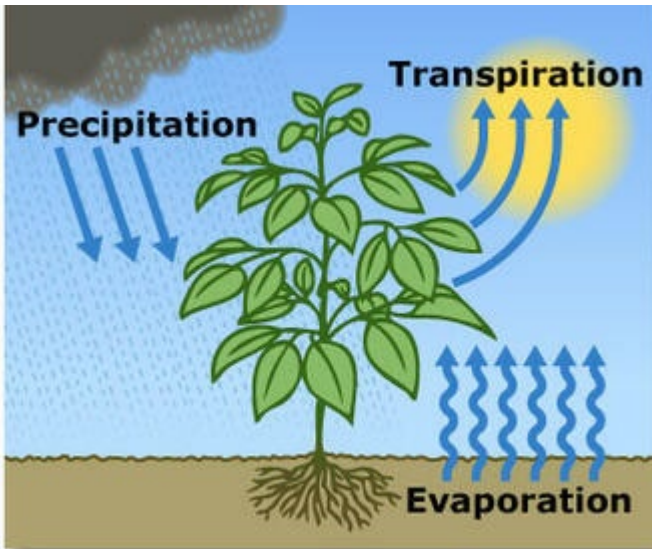


Hydrology is the science of “movement”



The small water cycle of your plant: transpiration, precipitation (or irrigation), and evaporation



You can't see transpiration, but it is there (!!). A plastic bag is a good tool to visualize plant transpiration.

(Both figures are from USGS, Water Science School)

Don't throw this away (!!).... We have a few fun quiz questions at the back of this handout to test your “water knowledge”.

(1) During one growing season, an acre of corn gives off ____ gallons of water per day.

- a. 100 – 200; b. 500 – 600; c. 1,000 – 2,000; d. 3,000 – 4,000

(2) In Napa, the No. 1 water resource for agriculture is

- a. Surface water, including streams, reservoir, etc.
b. Groundwater through pumping.
c. Recycled water after treatment.

(3) What type of soils can hold most soil water?

- a. Sandy soils.
b. Silt soils.
c. Clay soils.

(4) Which type of aquifer is confined between two impermeable layers?

- a. Unconfined aquifer.
b. Confined aquifer.
c. Perched aquifer.

(5) What is the term for the rate at which water moves through soil or rock?

- a. Porosity.
b. Hydraulic conductivity.
c. Infiltration capacity.