1/22-1/26 Unit II: Hydrologic Cycle, focus on fresh water
global water budget, fresh water distribution, fluvial geomorphology

**Assigned Reading:** *Env. Sci.* Ch. 19 p. 392-394, stop at Groundwater and Streams
(We will focus on Colorado River Case study next week), *Blue Planet* Ch. 9 p. 190-200,

**What to Know**
* reservoirs and flux mechanisms of the hydrologic cycle
* the relative percentage distribution of fresh water resources between rivers, lakes, and
  groundwater (*Env. Sci.* p. 393)
* the estimated average residence time of water in the atmosphere, in rivers and streams,
  and in groundwater (*Env. Sci.* p. 393)
* how to identify a drainage basin
* the characteristics of a meandering river system
* how a floodplain is created
* the characteristics of a braided river system
* be able to identify a meandering river system from a braided river system

**Vocabulary**
- fluvial geomorphology
- confluence
- suspended load
- stream
- stream gradient
- bed load
- drainage basin
- velocity
- dissolved load
- drainage divide
- discharge
- cut bank
- headwaters
- floodplain
- point bar