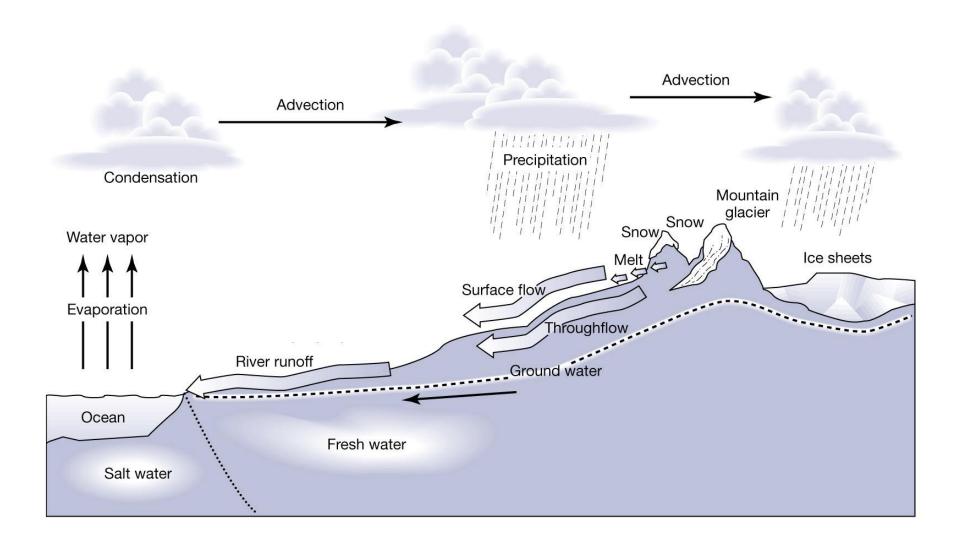
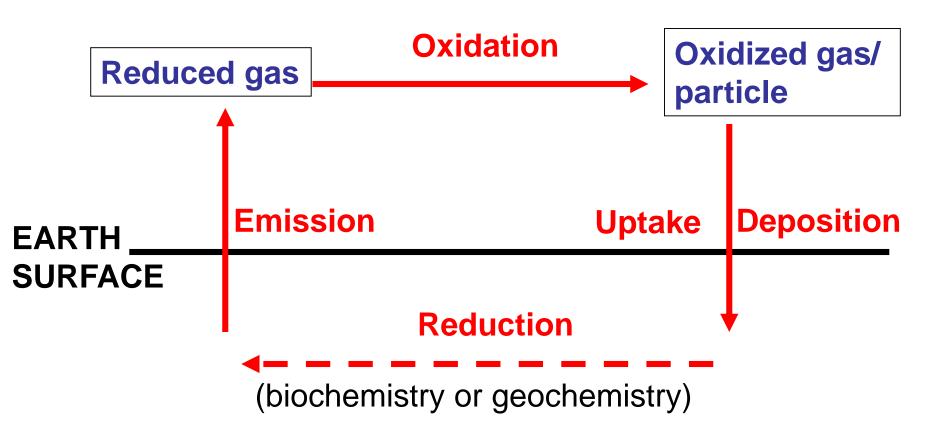
Hydrologic (Water) Cycle

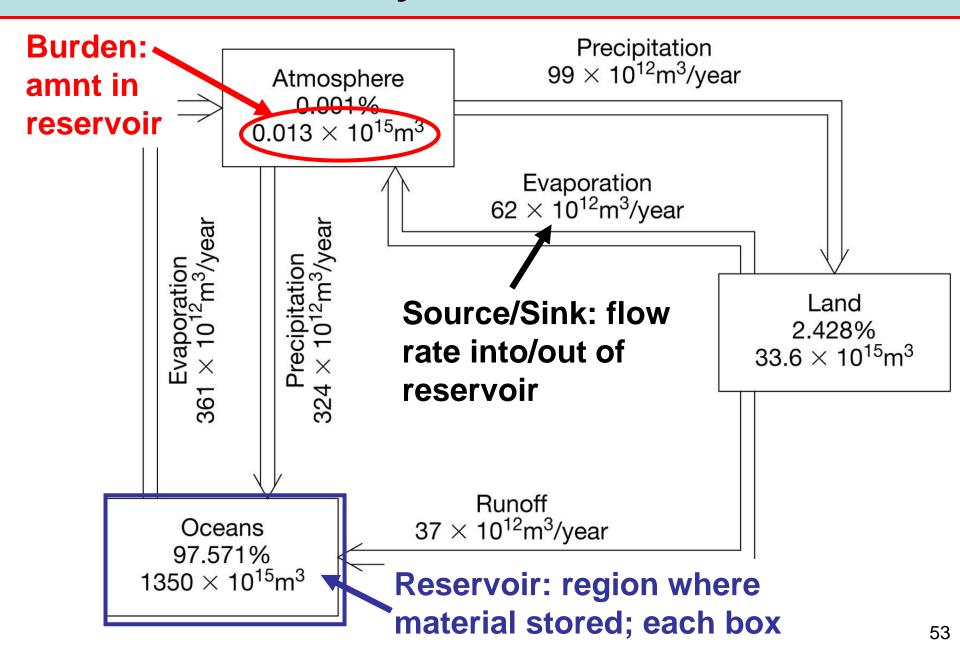


Global Biogeochemical Cycles

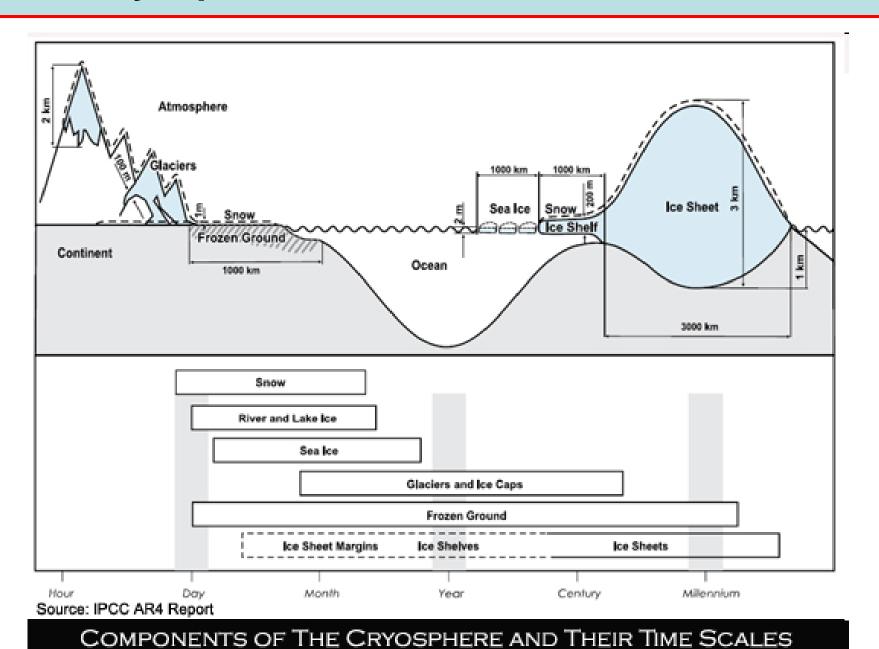


Water Cycle Reservoirs and Flows

Water Cycle "Box Model"



Cryosphere – where most water on land is



Cryosphere Examples



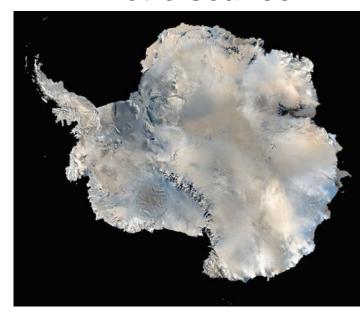
Glaciers on Mt. Rainier



Greenland ice sheet

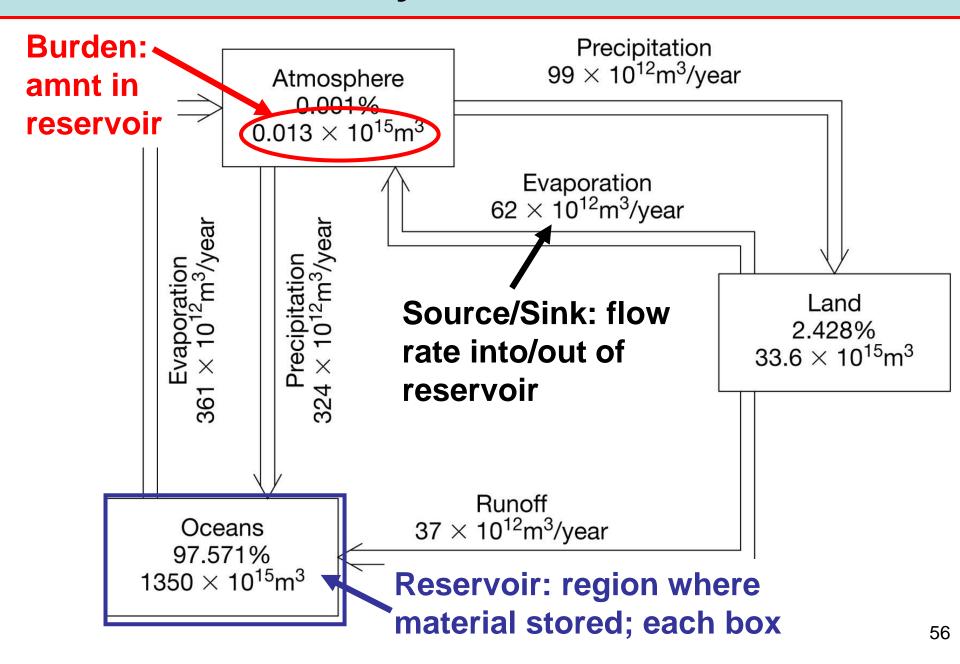


Arctic sea ice



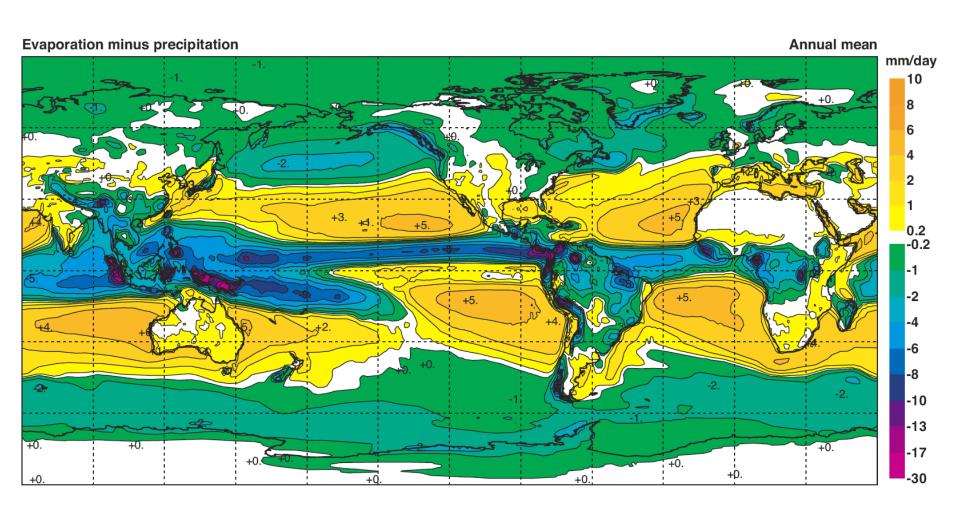
Antarctic ice Sheet

Water Cycle "Box Model"



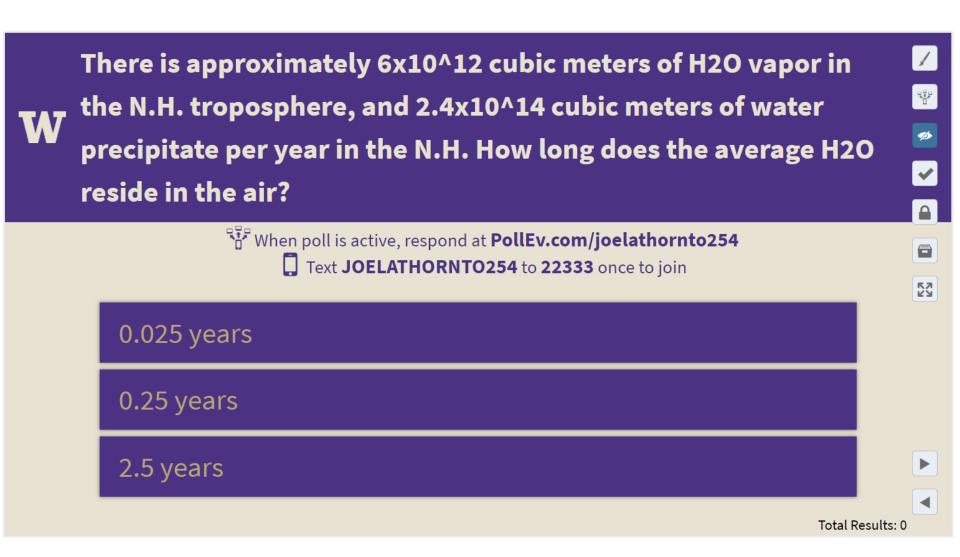
Water Cycle Reservoirs and Flows

Evaporation Rate Minus Precipitation Rate



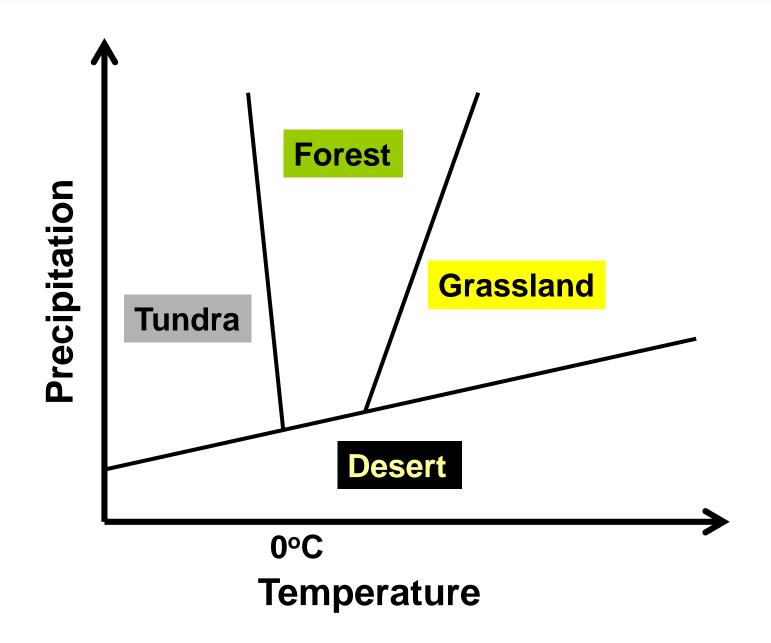
Yellow: net evaporation; Green/blue: net precipitation

Poll Question



Ecosystems and Hydrologic Cycle

Water Cycle, Temperature, and, Terrestrial Biosphere



Poll Question

The Earth has been warming over the past century, and is expected to continue warming into the next century. Based on what you know so far about the water cycle, choose the best prediction about the future water cycle. When poll is active, respond at PollEv.com/joelathornto254 Text JOELATHORNTO254 to 22333 once to join Everywhere will receive more rain because of increased evaporation with warmer T, which means more water vapor in the air and thus more precipitation Atmospheric circulation patterns control where precipitation occurs. Thus, where it rains now will receive more rain, while where it is dry now will become drier, because of more evaporation. The increase in temperature expected over the next century (2 to 4 C, global average) is not enough to affect the water cycle significantly.

Total Results: 0

Hydrologic Cycle Responses to Forcings