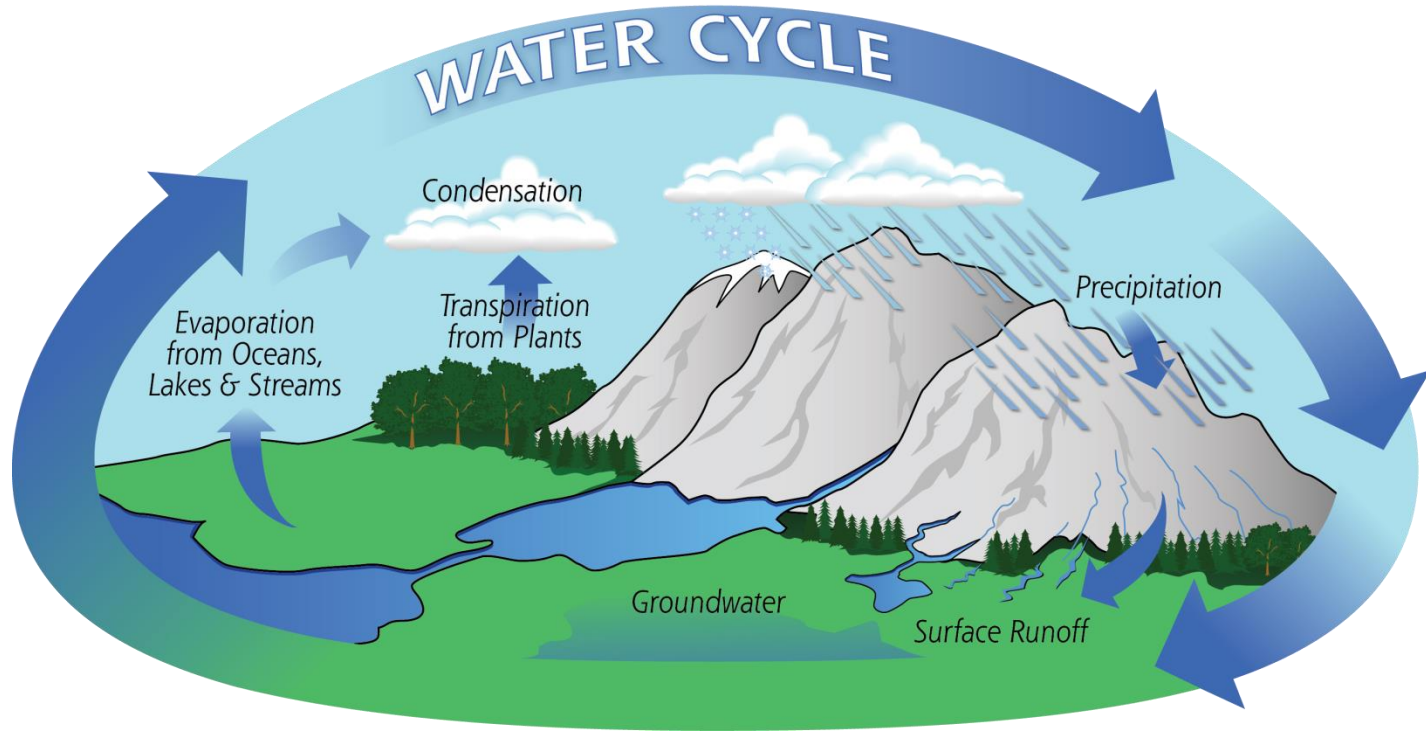


The Water Cycle Study Notes



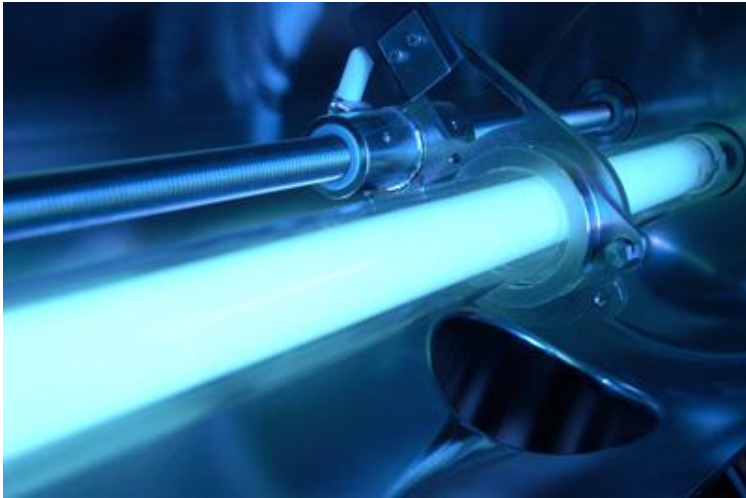
Standard 4: The Hydrosphere

The Water Cycle

1. Reservoir is used to describe a place where water is found water in Earth systems.



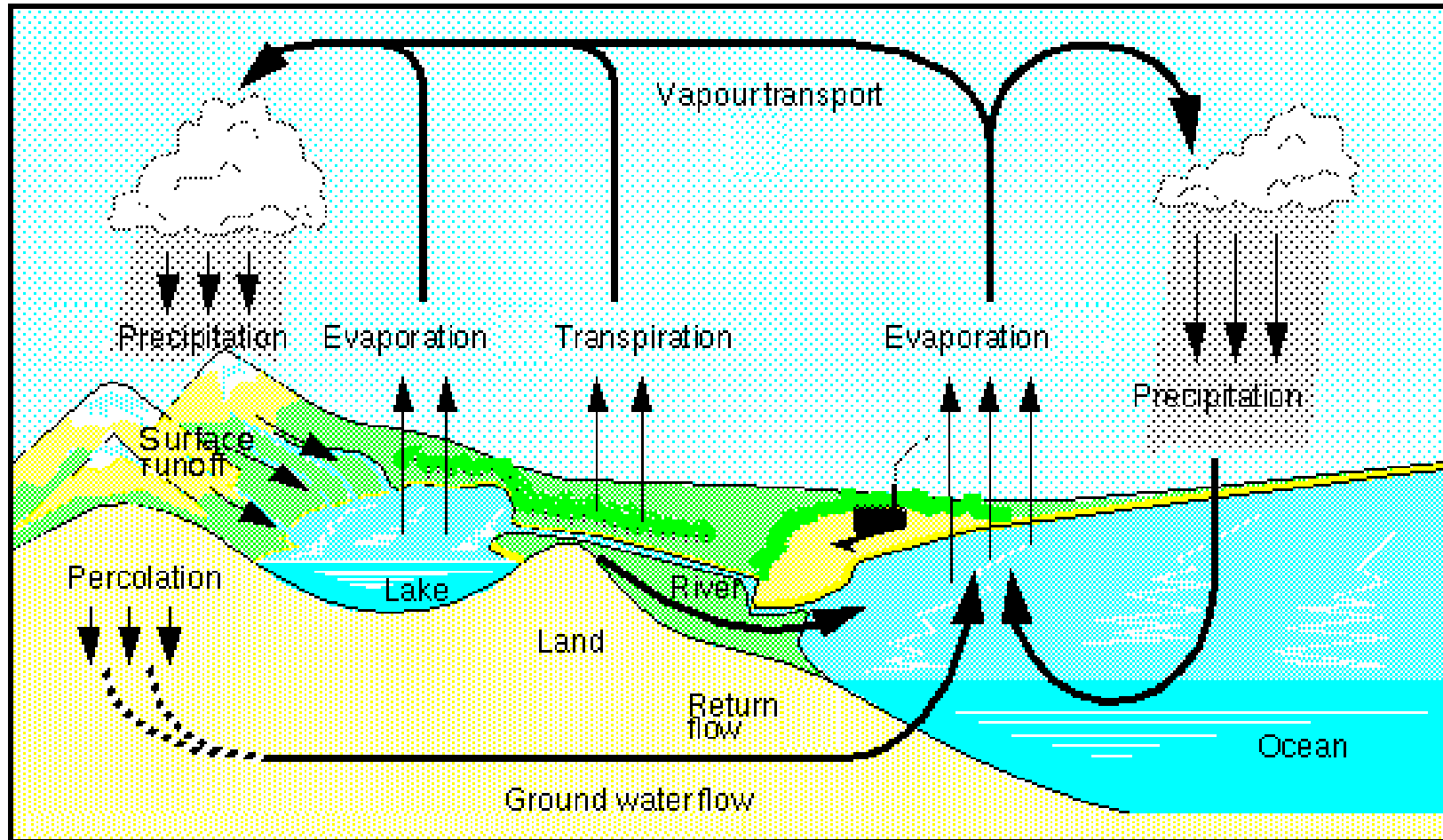
2. The final step before water is acceptable for human consumption is chlorine or UV light disinfectant.



3. When water vapor (gas) changes to a liquid it is called condensation .



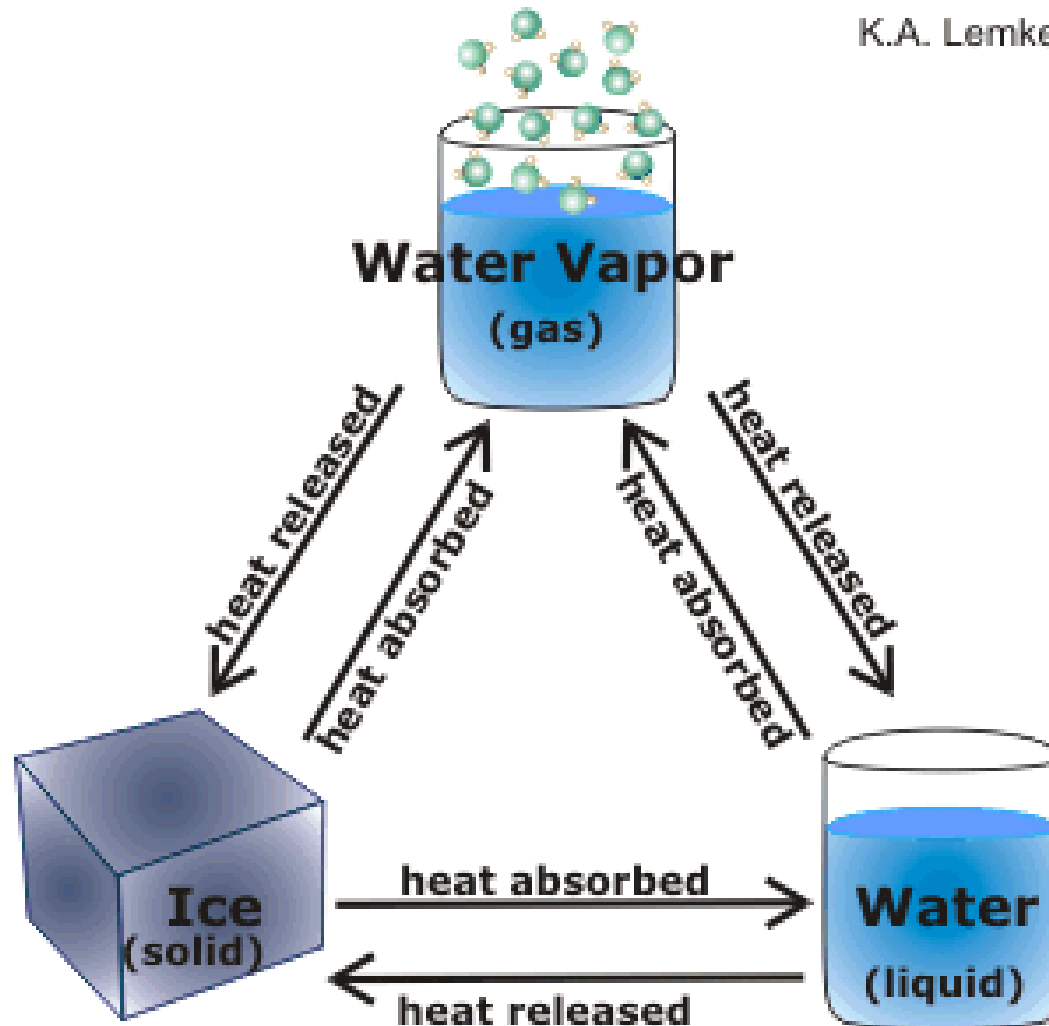
4. Water is cleaned in nature through the water cycle.



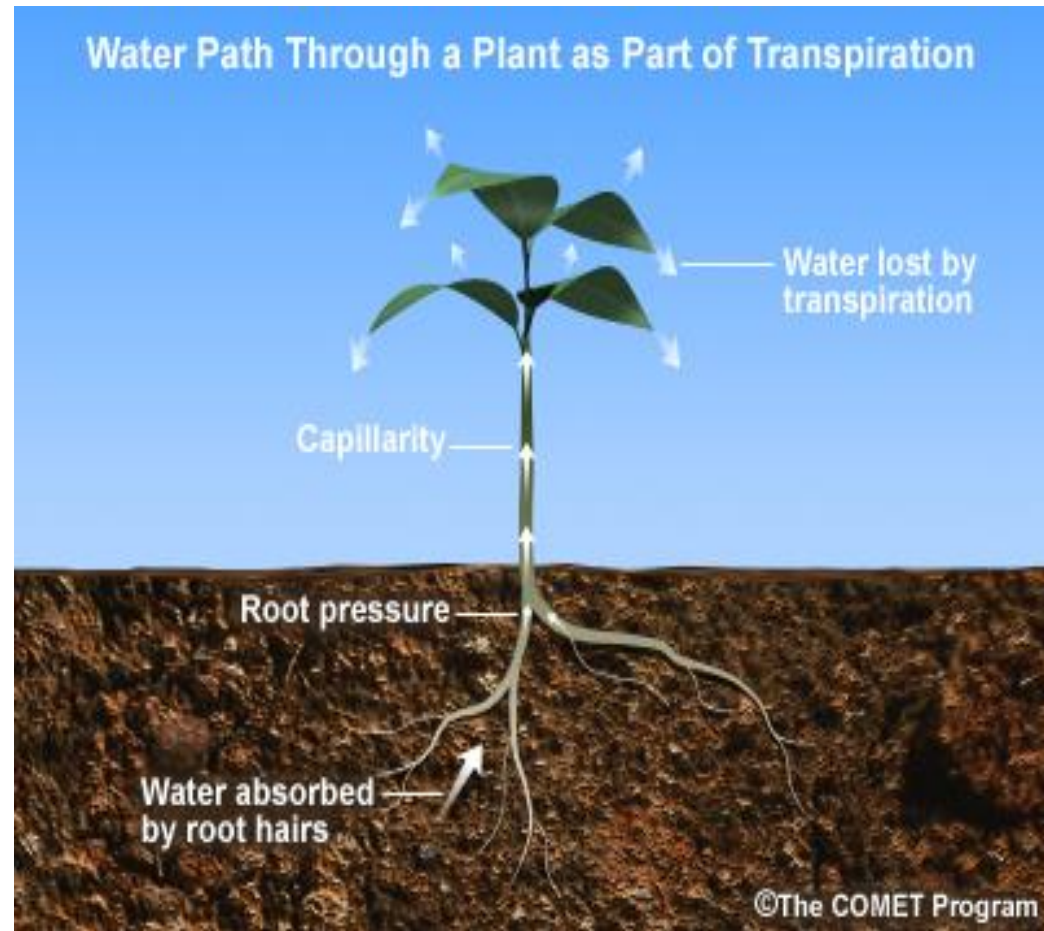
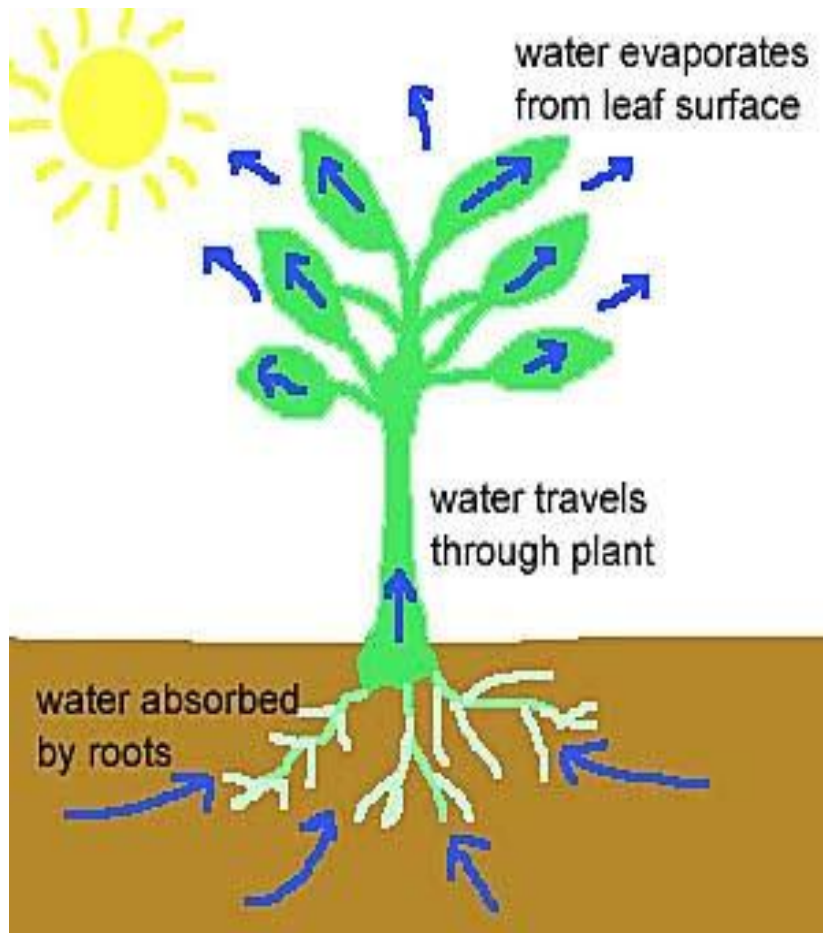
Courtesy Erich Roeckner, Max Planck Institute for Meteorology

5. Water exists when it is in the air in all three forms; as a solid, liquid and gas.

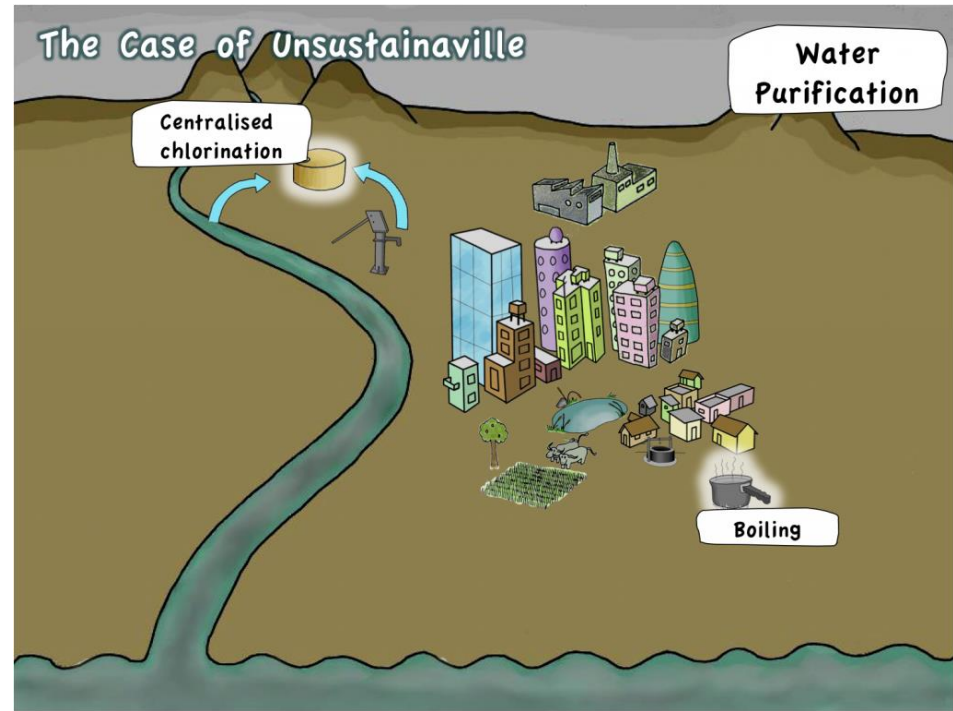
K.A. Lemke



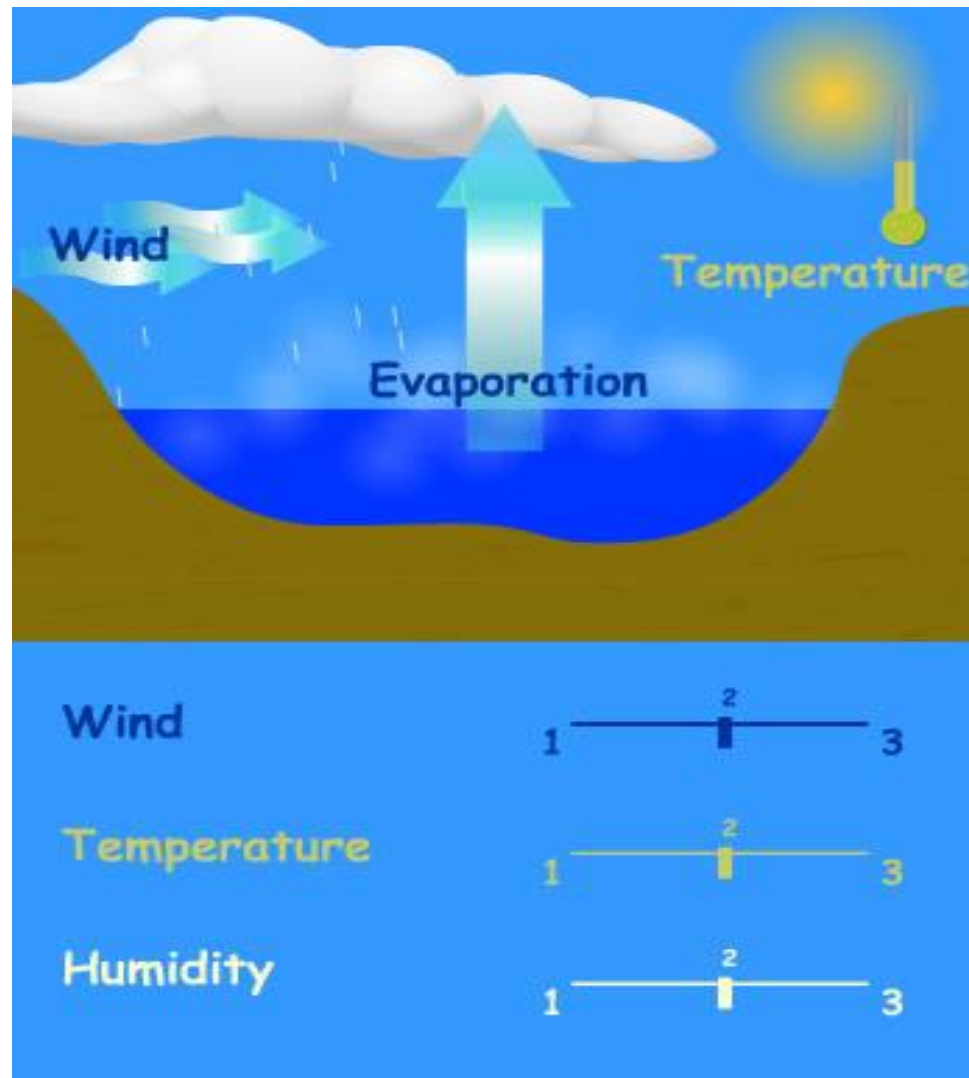
6. Plants contribute to the water cycle by storing water and releasing it through transpiration.



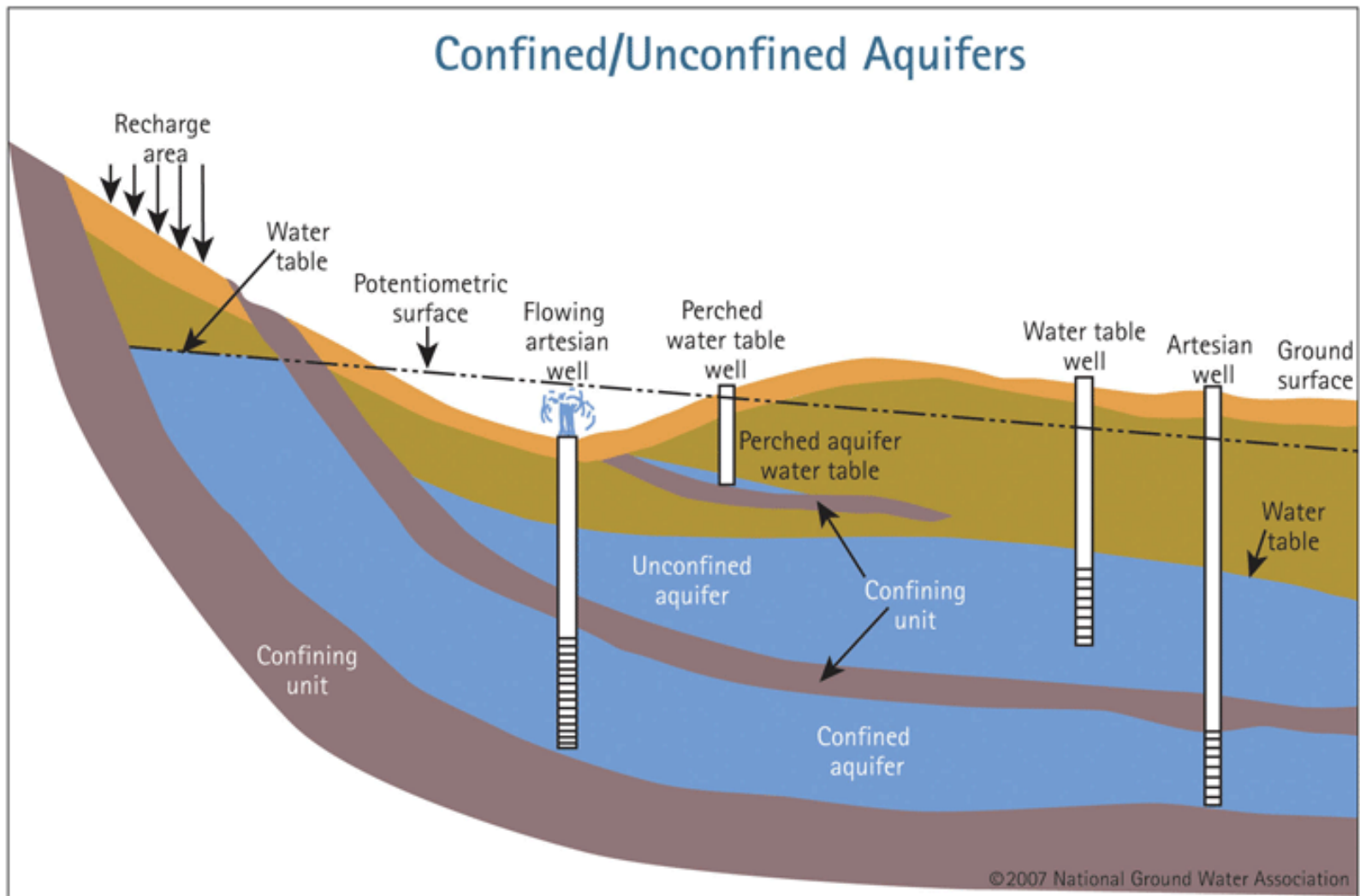
7. Water must be clean for people to drink because dirty water can make people sick or kill them.



8. The change of liquid water to water vapor (gas) is called evaporation .

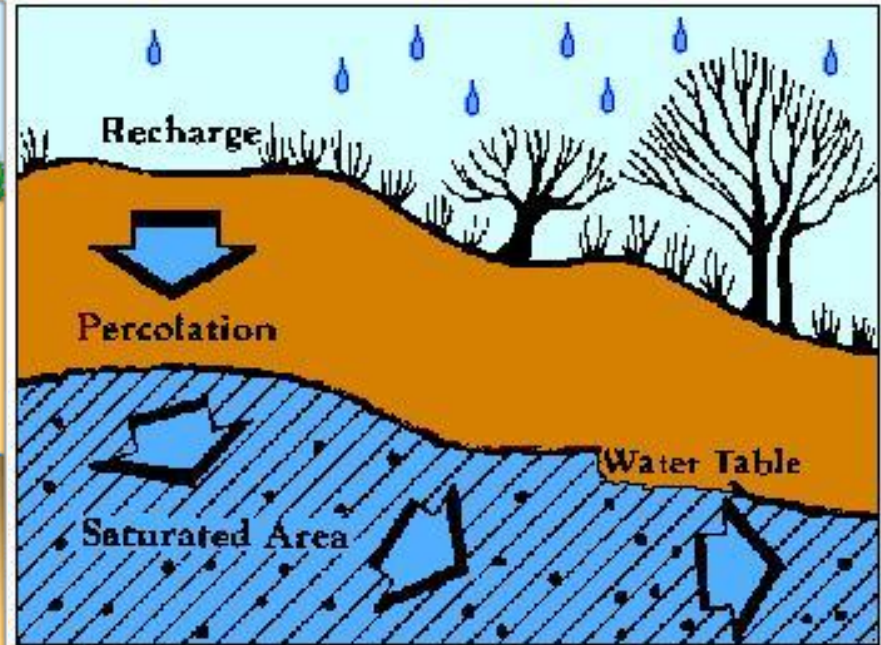
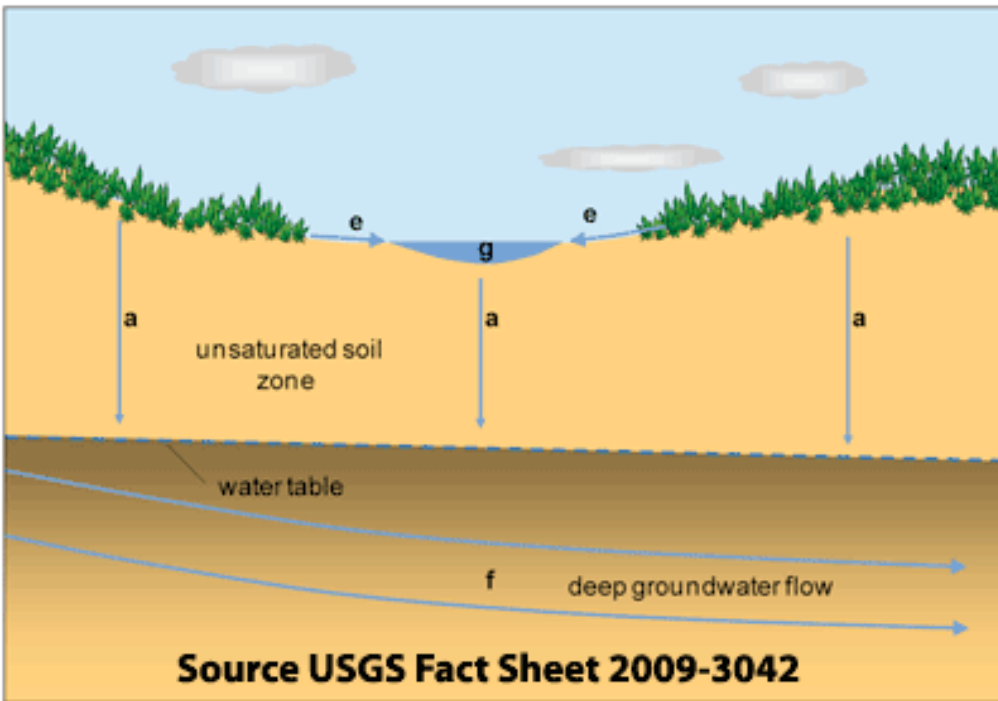


9. A molecule of water spends the MOST amount of time in the ground .



Copy this study note in the space below #9.

10. The process of water seeping into pores in the ground is infiltration.

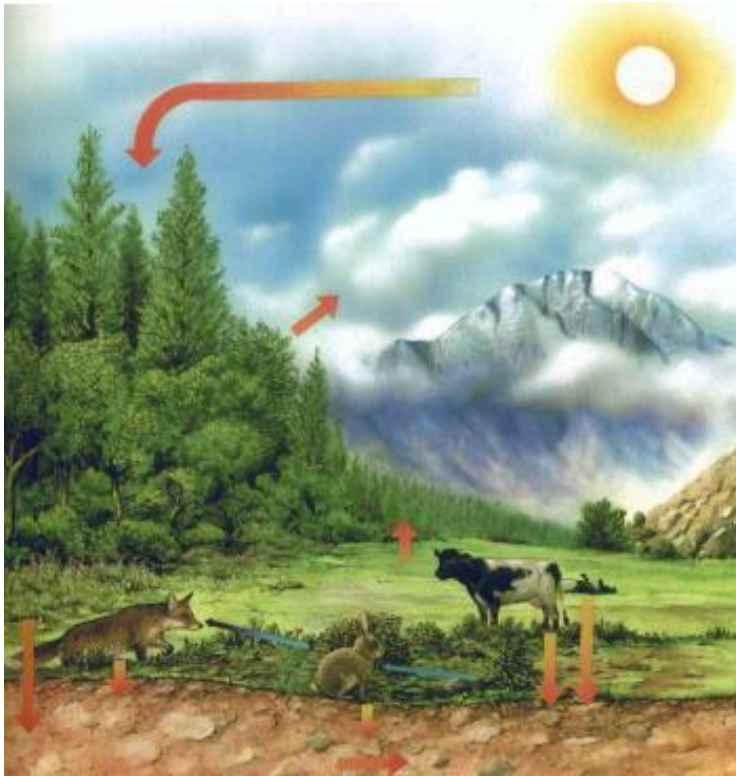


Renumber the old #'s 10, 11, and 12
as 11, 12, and 13

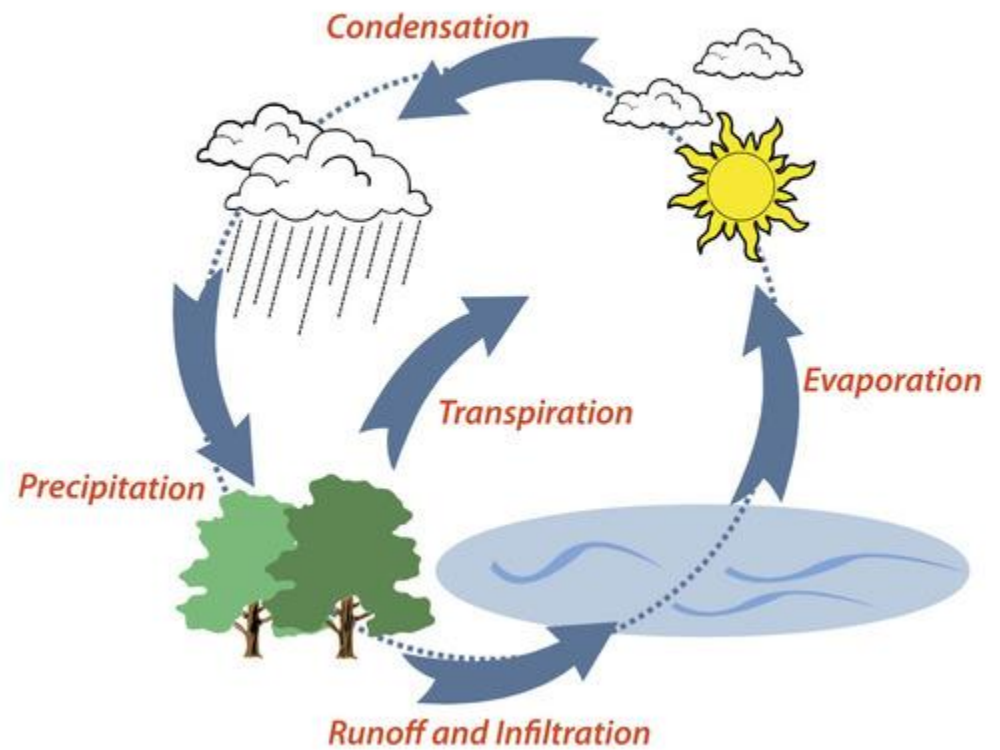
11. Water in a glacier can be expected to stay in the glacier for 1,000 years.



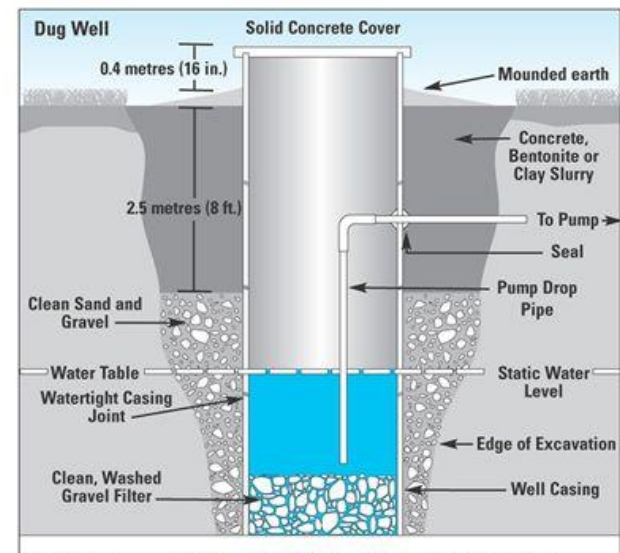
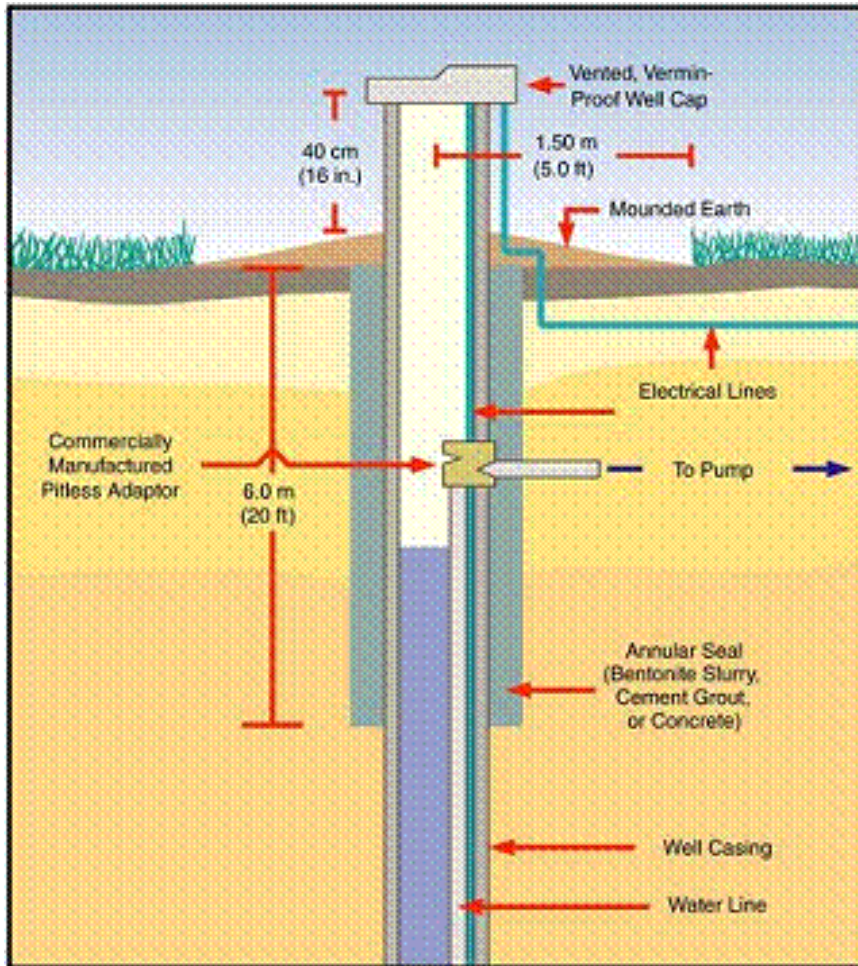
12. A molecule of water would spend the LEAST amount of time in living things.



Water Cycle



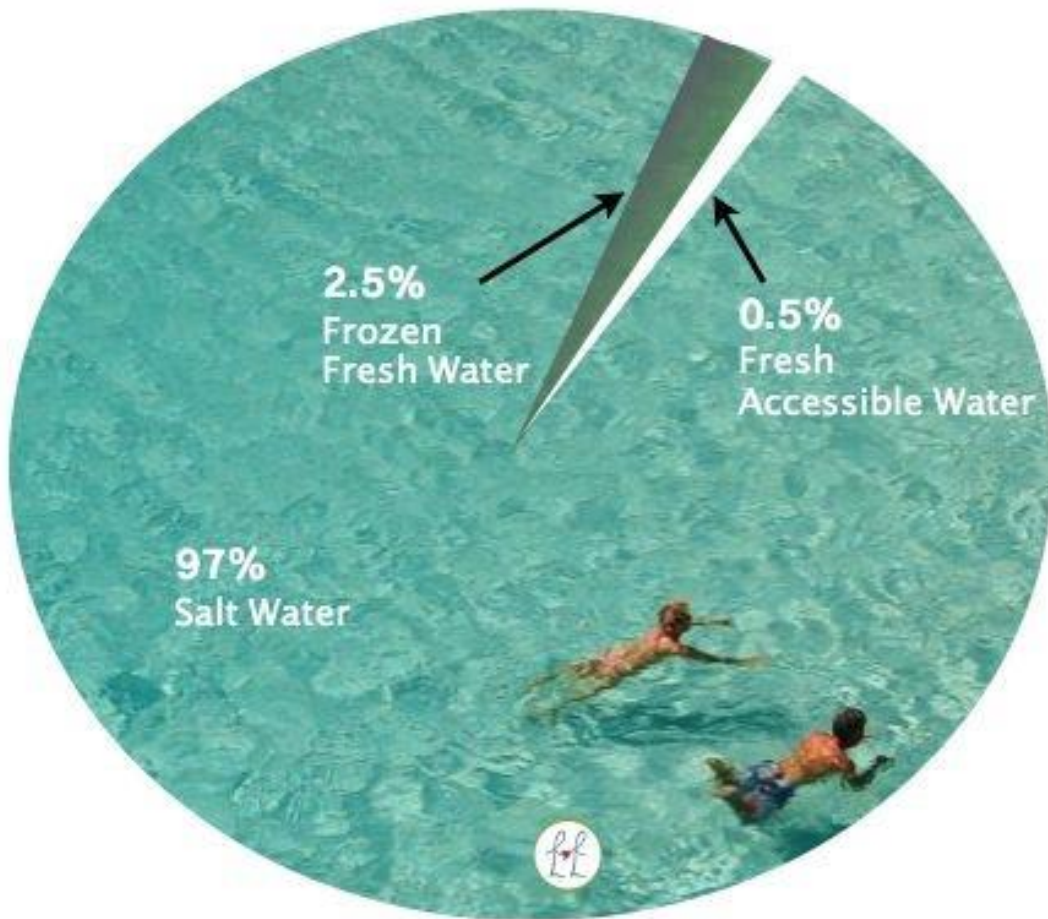
13. Well water from deep underground is sometimes clean enough for drinking because it has been filtered through layers of rock.



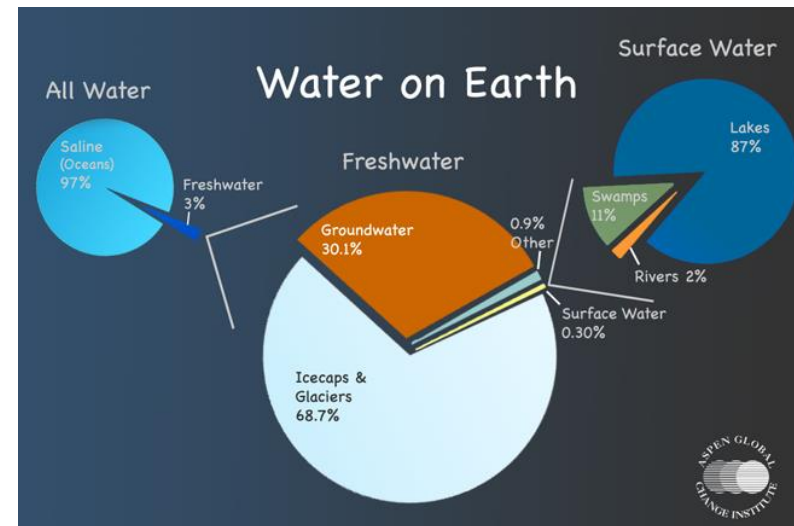
Source: *Best Management Practices: Water Wells* (Ontario Ministry of Agriculture, Food and Rural Affairs/Agriculture and Agri-Food Canada)

Scribble out the old #13

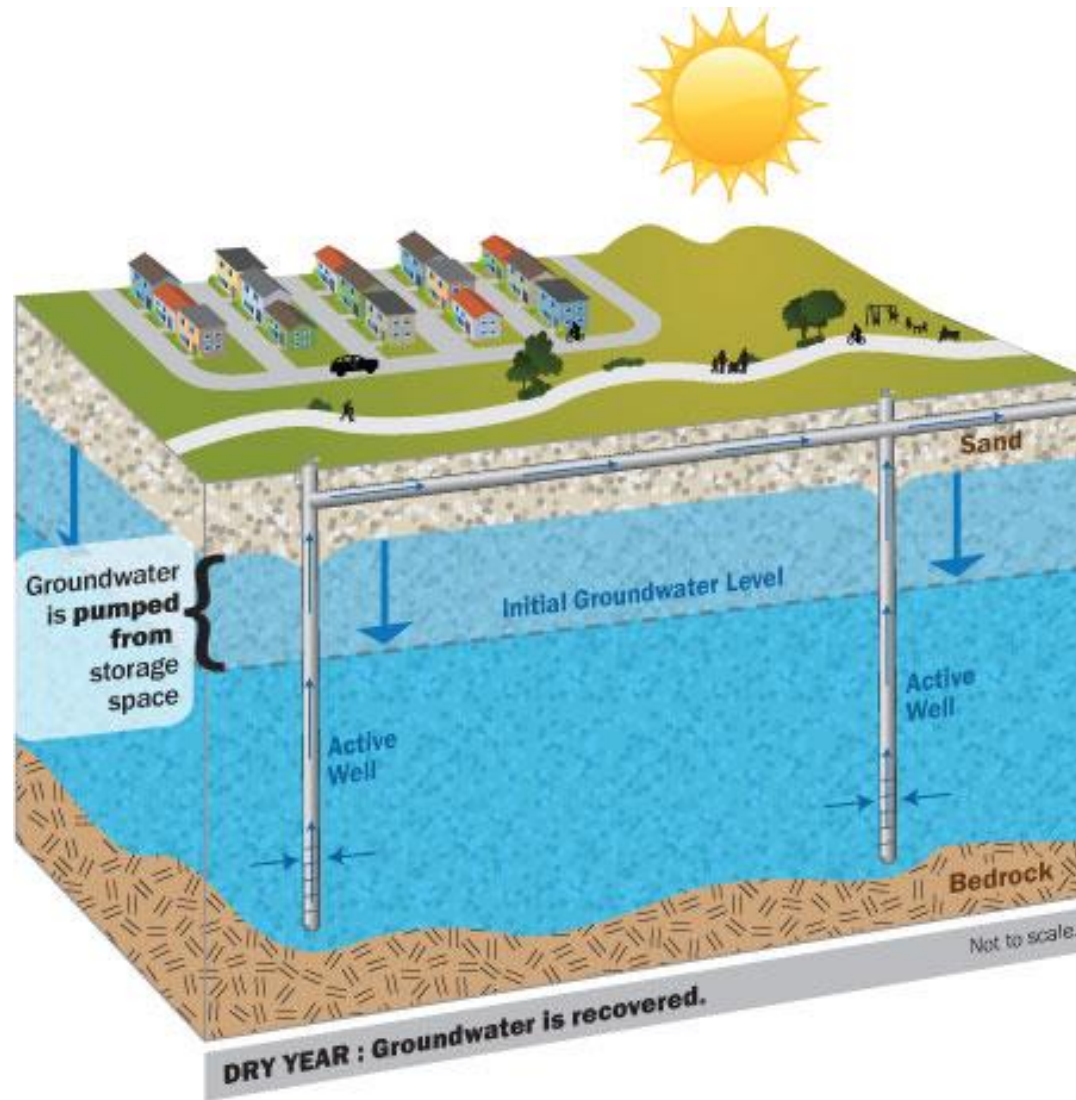
14. 97% of water is in the oceans. Only about 3% is fresh water.



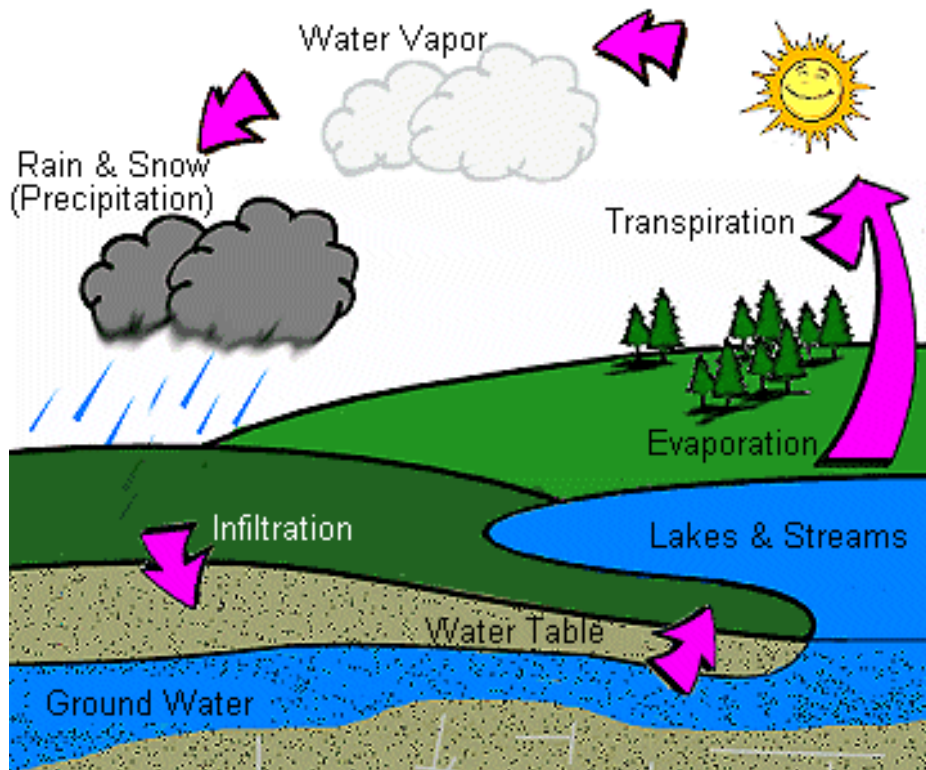
EARTH'S SUPPLY OF FRESH WATER



15. Groundwater spends a long time in the ground because groundwater does not evaporate.



16. The sun is the main source of the energy required to change water from a liquid to gas phase.



17. Water in a wave in the Pacific Ocean arrives in Utah a week later because air currents carried it.



18. A reservoir is a place where large amounts of water are stored.

Manmade reservoirs



Lakes



Glaciers



Oceans



19. Surface water can look clean but contain harmful bacteria so thirsty hikers should not drink from a stream.

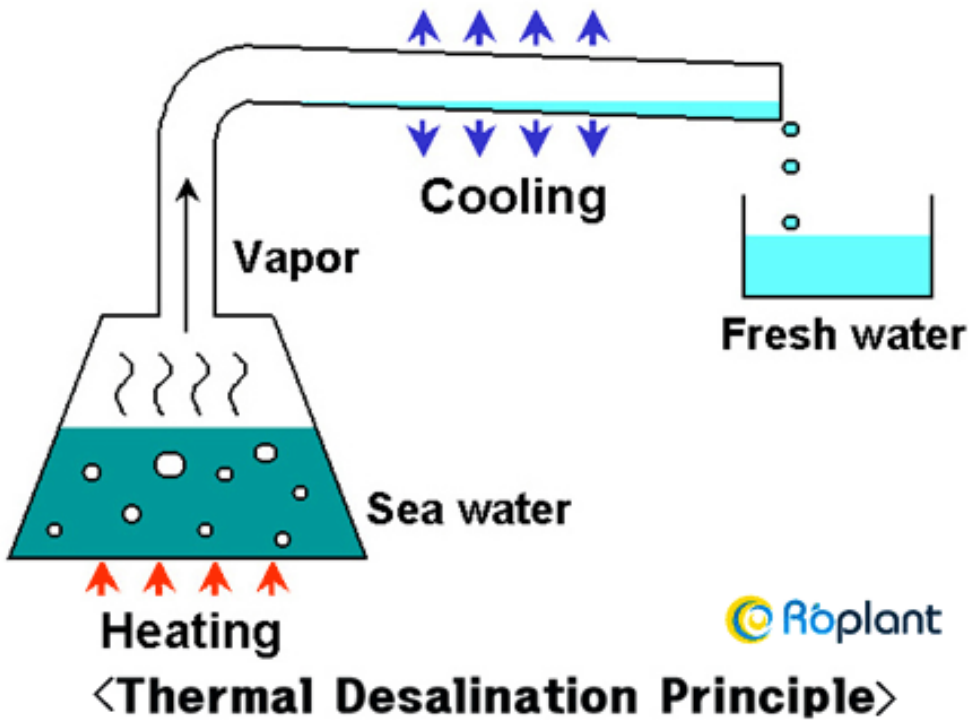


Brain eating bacteria



<http://www.dcclothesline.com/2013/09/19/brain-eating-amoeba-in-new-orleans-tap-water/>

20. A process that removes salt from water is desalination .



The End

