THE WATER CYCLE, RESERVOIRS, AND RESIDENCE TIMES /28

1.	Substances usually change from gas to liquid to solid, or from solid to liquid to gas. How is sublimation different?	
2.	What do you think evapotranspiration means?	
3.	What causes water vapor to condense?	
4.	What force pulls all water molecules down?	
5.	What causes water molecules to be lifted up again?	
6.	Define infiltration	
7.	Below is a picture of an aquifer. Label its parts. (Rock, sand, groundwater, water table, surface of earth, aquifer) (6pts)	
	air air	
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8.	Where is most of Earth's water located?	
9.	Which reservoirs contain freshwater? (7pts)	
10.	Which of those 7 are drinkable and accessible? (3 pts)	
11. What percent of our reservoirs are fresh water, drinkable, and accessible?		
12.	What does biosphere mean?	
13. Why might it take a water molecule 3200 years to get out of the ocean?		
14.	How long could a water molecule stay in a typical human being? (Longest time period? Shortest time period?) (2 pts)	

ADVENTURES OF A WATER MOLECULE ESSAY /9

Write a paragraph detailing the adventures of a water molecule. Make sure the molecule goes into every reservoir at least once, and make sure it enters the biosphere at least twice. (9 points)

	CHECK LIST
	Biosphere
	Biosphere
	Glacier
	Ocean
	Lake
	River or stream
	Ground water
	Soil
	Atmosphere