

CYCLES REVIEW ANSWERS

1. plants
2. 2/3 or 67%
3. 2/3 or 67%
4. 2-3%
5. plants do photosynthesis and animals do respiration
6. reducing fossil fuel usage decrease carbon dioxide in the atmosphere which makes a more natural balance of the two gases
7. carbon dioxide is used by plants with water in photosynthesis to make sugar and oxygen
8. less trees is less plants to absorb the carbon dioxide in the atmosphere
9. these are the main components of the carbon cycle; you should review what the carbon cycle is
10. explain in your own words these cycles
11. glucose (sugar)
12. all the water we have today has always been available; it exist in all states (solid, liquid, gas)
13. nitrogen bond is very hard to break (fix) which makes it unusable
14. nitrogen is fixed by specialized bacteria that are able to break the nitrogen bond; also lightning can fix it, but this is less common
15. Nitrogen is essential for protein production which is essential for life
16. condensation of water vapor (water gas cools back to being liquid)
17. too much carbon dioxide means too much greenhouse gas which increases the temperature
18. atmosphere and animals are reservoirs for carbon dioxide and plants are sinks
19. atmosphere
20. aquifers store water; aquitards prevent the flow of underground water
21. precipitation
22. fixing
23. converts (fixes) unusable Nitrogen into usable nitrogen dioxide
24. photosynthesis (carbon cycle)
25. living organisms (plants and animals)
26. Nitrogen
27. $\text{CO}_2 + \text{H}_2\text{O} + \text{sun light} \rightarrow \text{glucose} + \text{O}_2$