AP Environmental Science

Unit 2 Ch 3&4

**Some ideas to study. Please remember to study your reading guides and notes and the chapters.**

1. For each cycle be able to explain the main processes of the cycle and all of the ways humans interrupt or influence the cycle. Know the various chemical compounds involved in each cycle.
2. What happens to air as it rises?
3. What is most significant when determining the diversity of an ecosystem?
4. Indicate where the highest and lowest albedo is?
5. What is the best description of a region’s climate?
6. What are the levels of the atmosphere? And what occurs in each level.
7. What factors are used to classify a biome?
8. Describe how the sun’s energy heats the Earth.
9. Know the difference between biotic and abiotic. Know examples
10. Describe the characteristic of an ecosystem
11. Know the trophic levels and the type of organisms at each level
12. Know how to make a food chain and food web.
13. What % of incoming solar energy is converted into chemical energy by producers
14. Know algal blooms and dead zones/ impacts of introduced nutrients to a water source.
15. Impacts of El Nino on the environment
16. GPP & NPP
17. Know resistance vs Resilience
18. In general terms, ocean currents and the impact of currents on weather and climate.
19. Cause of the seasons
20. In general terms the global air currents.