Six Week Assessment: Cycle 2 Study Guide

1. Be able to identify the five layers of the atmosphere and the altitude of each from Earth to space.
2. Know how density is related to altitude.
3. Be able to identify the four parts to the water cycle.
4. Know the definitions of condensation, evaporation, and precipitation.
5. Know the two things that interact the most in the water cycle.
6. Know the differences and definitions of conduction, convection, and radiation.
7. Know what creates wind.
8. Understand the concept of the Coriolis Effect and how it affects winds in the Northern and Southern Hemispheres.
9. Know the difference between sea and land breeze and what causes them.
10. Be able to identify each of the four air masses and what weather pattern could be expected from each: continental tropical, continental polar, maritime tropical, maritime polar.
11. Know what would happen if a continental polar air mass collided with a continental tropical air mass.
12. Know what phase change forms clouds.
13. Know what cirrus clouds are formed from.
14. Know what type of weather would occur when air pressure dropped.
15. Know what type of weather is associated with cold and warm fronts, and high and low pressure systems.
16. Know how thunderstorms are formed.
17. Be able to read a weather map.
18. Know how tornadoes and hurricanes forms and the differences of each.
19. How does the gulf stream affect weather.
20. Know how to read a distance-time graph. Know what the slopes mean as well as a horizontal line means.
21. Know the definitions for speed, motion, relative motion, velocity, acceleration, reference point.
22. Be able to solve problems for speed, distance, and time: speed = distance/time, distance=speed x time, time= distance/speed