ES11 Atmosphere Study Guide

1. Know the different layers of the atmosphere. (order and characteristics)
2. Be able explain why the atmosphere is important to us.
3. What is the importance of ozone, how it’s made and destroyed
4. Explain how *air pressure* changes with altitude.
5. Explain how *air temperature* changes with altitude.
6. Describe the three main ways heat is transferred. Give an example of each.
7. What is relative humidity and how do you calculate it.
8. What is dew point and how is it related to condensation?
9. Be able to find relative humidity from a chart if given wet and dry bulb temperatures.
10. Be able to CALCULATE percent relative humidity when given current water vapor and max water vapor.
11. Be able to describe the processes of the water cycle (what is needed, is it a cooling or warming process, factors affecting these processes).