**Weather Unit Review:**

*The Weather Unit Test will be based on the concepts below. If you are comfortable with this material, you will do well on the test. Use the PowerPoints from this unit, along with chapter 9 in your textbook to prepare.*

1. What is the difference between ***weather*** and ***climate***?
2. What are the ***7 aspects that affect climate***? Explain how they influence climate.
3. Understand the different ***layers of the atmosphere*** *(where does weather occur? Where is the ozone layer found? Etc.)*
4. What is the ***greenhouse effect*?** What impact, positive and negative, does it have for life on earth?
5. Identify the different ***types of clouds***. (10 types!)
6. What is a ***low-pressure system***? What type of weather is associated with a ***low-pressure system***? Why?
7. What is a ***high-pressure system***? What type of weather is associated with a ***high-pressure system***? Why?
8. How do clouds form? What is ***condensation***? What is ***relative humidity?*** What is ***dew point?***
9. Understand and explain the following ways precipitation forms: ***Orographic****,* ***Convectional****,* ***Frontal*** (page 179)
10. What is a ***warm front***? What does it look like? What type of weather is associated with a *warm front*?
11. What is a ***cold front***? What does it look like? What type of weather is associated with a *cold front*?
12. What is an ***occluded front***? How does it form? What weather is associated with it?
13. Understand the ***Global Wind Belt***s. (trade winds, prevailing westerlies…etc) What are doldrums? Horse latitudes? Zones or high/low pressure. What is the ***coriolis effect?*** Which way do winds bend in each hemisphere?
14. Understand each of the ***extreme weather events*** your classmates presented on. How do they form? What impact do they have on human populations?