**Cornell Notes Chapter 7-Understanding Weather**

**Section 1-Water in the Air**

Read pages 184-190 and complete the Cornell Notes below with a summary at the end of the section.

1. What is ***weather*?**
2. The condition of the atmosphere is affected by what factor?
3. What is the ***water cycle***?
4. Diagram Figure 1 on page 184 in your text into your notebook and label the important parts of the water cycle.
5. Explain the difference between **humidity** and **relative humidity**?
6. Give the formula for relative humidity
7. What are the two factors that affect relative humidity?
8. What is the relationship between relative humidity and temperature?”
9. Explain what a **psychrometer** is and what it measures.
10. Why would water evaporate slowly off a wet bulb thermometer?
11. What is **condensation** and when does it occur?
12. When we say the air is **saturated**, what do we mean?
13. What are the two ways air becomes saturated?
14. What is **dew point**?
15. What is a **cloud** and how does it form?
16. What happens when the rising air in a cloud becomes saturated?
17. How are clouds classified?
18. Complete the chart below(in your notebook) for the 3 basic types of clouds:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type | Appearance | Altitude (high, middle low) | Weather associated with them | Sketch what they look like |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

1. What is **precipitation**?
2. Complete the chart below in your notebook for the 4 types of precipitation:

|  |  |  |
| --- | --- | --- |
| Type of precipitation | How it forms | appearance |
|  |  |  |
|  |  |  |
|  |  |  |

**Finish this assignment by recording a 2-3 sentence summary of the information in this section.**

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