**Weather Test Study Guide (Part 2)**

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| **Air masses**  -Take the characteristics of the land they were formed over  -Identified by two letters (first is for humidity and second is for temperature)  Continental (c):  Maritime (m):  Tropical (T):  Polar (P):  Arctic (A): | **Hurricanes**  Tell me everything I need to know about Hurricanes here: |
| **Tornadoes**  Tell me everything I need to know about Tornadoes here: | **Thunderstorms**  Tell me everything I need to know about Thunderstorms here: |
| **Fronts**  What is a front?  What are the 4 types of fronts? | **Warm Front**  What is the symbol on a weather map?  What is happening?  What is the associated weather and cloud cover? |
| **Cold Front**  What is the symbol on a weather map?  What is happening?  What is the associated weather and cloud cover? | **Stationary Front**  What is the symbol on a weather map?  What is happening?  What is the associated weather and cloud cover? |
| **Clouds**  How are clouds formed?  What type of clouds is associated with thunderstorms?  Describe a cumulus cloud.  Describe a stratus cloud. | **Weather mapping technology**  Infrared technology is used for:  Doppler radar is used for: |
| **Weather Map Symbols** | **High Pressure**  In High Pressure, the weather is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  This is because: |
| **Low Pressure**  In Low Pressure, the weather is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  This is because: | **Humidity**  Warm air can hold more moisture. This is because the molecules are further apart in warm air and there is more room for the water molecules to fit.  What else do you know about humidity? |
| **Wind**  How is a seabreeze formed?  What are pressure gradients? | **Jet Stream**  What is the jet stream?  Where do I find the jet stream?  Why is it important? |
| **Coriolis Effect**  What is the Coriolis Effect?  Why is it important? | **Air Quality**  What is air quality?  List some things that negatively impact our air quality: |
| **Stratospheric v. Tropospheric Ozone:**  Where do I find “good” ozone? Why do we want to have ozone here?  Where do I find “bad” ozone? What kinds of problems does it cause? | **Particulate Matter**  What is particulate matter?  Where does it come from?  How does it affect us? |
| **Smog**  What is Smog?  Where does it come from?  How does it affect us? | **Acid Rain**  What is acid rain?  Where does it come from?  How does it affect us? |
| **Global Warming**  What is global warming?  How is global warming related to greenhouse gasses?  Why would warmer temperatures cause problems? | |