

Earth's Atmosphere Study Guide

1. What is the driving source of weather on Earth?	
2. What is the difference between a cold front and a warm front? Draw their corresponding symbols.	Cold Front – Warm Front
3. Describe 2 ways that oceans can modify/change the climate.	1. 2.
4. Describe the difference between the lands on both sides of a mountain that is near the ocean.	
5. Discuss the causes of both surface currents and vertical currents in the ocean.	
6. What type of weather can occur when two different fronts meet?	
7. Describe the differences in the air pressure over land and water during the night and day time.	
8. List the 4 different types of air masses.	

9. What factors are needed for hurricanes to form?	
10. Explain how the jet stream affects weather in the northern hemisphere.	
11. Give the name of the weather instrument and tell what it is used for based on the weather factor.	Wind Speed - Wind Direction - Temperature - Humidity/Dew Point - Precipitation - Air Pressure -
12. What causes uneven heating of the Earth's surface?	
13. Explain how winds are formed and how they move between differing areas of pressure.	