# **Unit 6 Review Sheet: Meteorology**

<u>Directions</u>: Complete the Review Activity below on your own paper. See class website and links below for additional review materials.

Define front:  Air masses are classified based on what two factors?  AND  Define the 2 Sources of Moisture: DRY = HUMID = HUMI	Objective 1: Air Mass	
Define the 2 Sources of Moisture: DRY =	Define Holt.	
Define the 2 Sources of Temperature: COLD =	Air masses are classified based on what two factors?	AND
Identify the following abbreviations for the 4 types of air masses & indicate their meaning:  CP =	Define the 2 Sources of Moisture: DRY =	HUMID =
CP = CT =	Define the 2 Sources of Temperature: COLD =	WARM =
CF =	Identify the following abbreviations for the 4 types of air masses	s & indicate their meaning:
mP =	cP =	
Objective 2: Fronts  WARM FRONT: warm air (raises/sinks) because it is (less/more) dense than cold air. SYMBOL: WEATHER:  COLD FRONT: cold air (raises/sinks) because it is (less/more) dense than warm air. SYMBOL: WEATHER:  OCCLUDED FRONT: WEATHER: SYMBOL:  STATIONARY FRONT: WEATHER: SYMBOL:  Objective 3: Clouds Describe the formation of clouds.  Explain the factors the influence the formation of clouds.  Compare and contrast the 3 types of clouds.  Objective 4: Cyclonic Storms and Wind (See BBC Links for Review: Hurricanes / Tornadoes)  Define HURRICANE: Pressure system: Formation: What produces the most damage?  Define TORNADO: Pressure system: Formation: What produces the most damage?	cT =	
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Formation: What produces the most damage?	Pressure system:	
What produces the most damage?	Formation:	
Describe the causes of wind.	What produces the most damage?	
	Describe the causes of wind.	

### **Objective 5: Weather Maps**

Humidity refers to the amount of	_ in the air.
is a measure of humidity.	
The weather map to the right shows the locations of a warm and a cold front over part of North America.	1020
Isobars are the numbered lines on the weather map connect locations with	1016
the same:	1012
The closer the lines, the <b>(stronger/weaker)</b> the wind.	1008
*Hint: these lines are similar to contour lines on a topographic map.	988 992 1000
Explain the direction of the warm front.	1004
Describe the weather occurring at the high pressure system.	1012
According the map, predict the weather for NC. (Hint: Think about weather	association and direction of fronts)

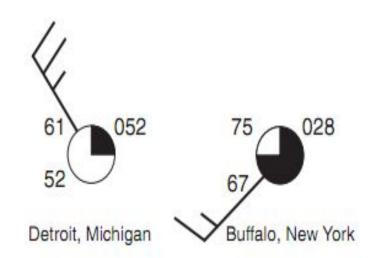
### **Detroit, Michigan**

1.	Cloud cover:	
2.	. Wind direction:	

- 3. Wind speed: \_\_\_\_\_
- 4. Temperature: \_\_\_\_\_
- 5. Dew Point: \_
- 6. Atmospheric Pressure: \_\_\_\_\_

## **Buffalo, New York**

- 1. Cloud cover:
- 2. Wind direction: \_\_\_\_\_
- 3. Wind speed: \_\_\_\_\_
- 4. Temperature: \_\_\_\_\_
- 5. Dew Point: \_\_\_\_
- 6. Atmospheric Pressure: \_\_\_\_\_



#### Objective 6: El Nino and La Nina

Review this brief video and record your answers to the following questions:

What causes El Niño? What type of climate changes are seen in the US during El Niño?

What causes La Niña? What type of climate changes are seen in the US during La Niña?