

AIR MASSES AND FRONTS REVIEW

Activity 1- Air Masses

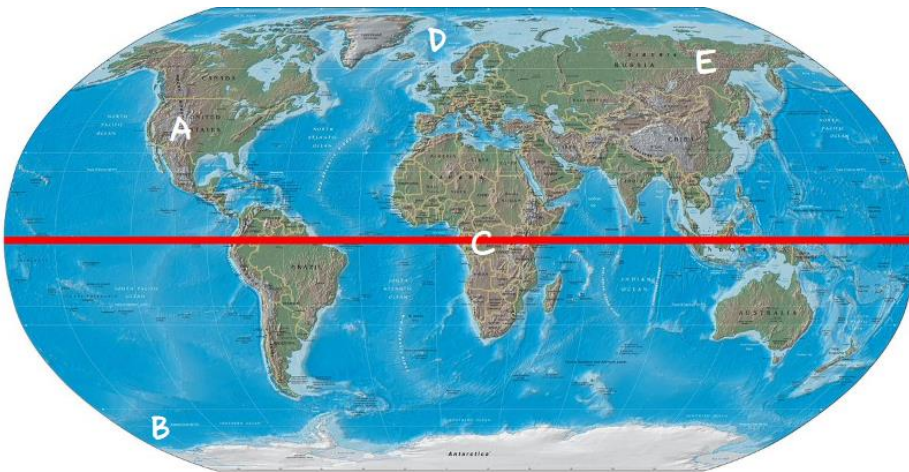
1. Circle the correct answer for each of the following

AIR MASS TYPE	WHERE IT FORMS				CHARACTERISTICS			
Maritime	Over water	over land	near equator	near the poles	Wet	dry	warm	cold
Tropical	Over water	over land	near equator	near the poles	Wet	dry	warm	cold
Polar	Over water	over land	near equator	near the poles	Wet	dry	warm	cold
Continental	Over water	over land	near equator	near the poles	Wet	dry	warm	cold

2. Which air masses describe the temperatures?

3. Which air masses describe the humidity?

Use this image to answer question 4. Pay attention to the lines of latitude, 0° is the equator.



4. Circle the correct answer for each of the following then identify the full name of the air mass (example – continental polar).

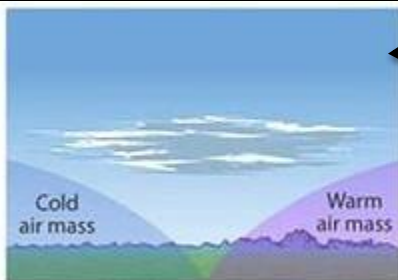
LETTER	HUMIDITY (DRY OR WET)	TEMPERATURE (HOT OR COLD)	FULL NAME OF AIR MASS
A			
B			
C			
D			
E			

Activity 2- Weather Fronts Interactive

Go to dixiemiddlescience.weebly.com and click on the "WEATHER FRONT LINK". Before you begin anything, read the introduction at the top of the page to answer the first 2 questions. Click on the front to gather information and observe each of the 4 main types of air fronts.

1. What is an air front?
2. What does an air front cause?
 - a.
 - b.
3. Click on each of the fronts to learn a more about each of the 4 main weather fronts.

Weather Front	What air mass is moving in? (warm, warmer, cold or colder)	Characteristics (type of cloud formed, type of weather/storm)	Simple Diagram (picture of air masses, cloud type, and precipitation)
Cold Front			
Warm Front			
Stationary Front			
Occluded Front			



← 4. What type of front is illustrated on the left?

5. How did you identify the type of front it is?

6. Explain how the cold air and warm air masses create this front.

7. Where do the clouds form with this front?

8. What type of front is illustrated on the right?

9. How did you identify the type of front?

10. Explain how the cold air and warm air masses create this front.

11. Where do the clouds form with this front?

