

Pathway: 7.E.1.3 Air Masses & Frontal Boundaries

DUE IN CLASS, Tuesday, 10/13

Time on task									
10	9	8	7	6	5	4	3	2	1

Agreements:

1. I will **label and show my work** for each activity in my notebook. I will glue, staple, or tape in any activity that is on a separate sheet of paper. I understand that if my notebook is not organized or if I do not show my work, I will lose points on my assignments.
2. If I have a question, I will **ask three classmates** *before* I ask my teacher.
3. At the stop signs, I will make sure **my teacher checks my work** before I move on. I know she wants to make sure I understand the information I am learning.

All assignments can be found below. *Please* let your teacher know ASAP if you don't have access to a computer or the internet at home so she can provide you with resources.

	Go to:	Evidence of Understanding:																		
Part 1: Introduction: <i>What are air masses?</i> <i>What are the two characteristics we use to classify an air mass?</i> <i>Where do air masses get their characteristic from?</i>	<ul style="list-style-type: none"> ● Nearpod Power Point in Google Classroom 	Write out the 3 introductory questions (in the first box on the left) and answer in science notebook <i>in your own words</i> . Label the title "Air Masses and Fronts Pathway".																		
Part 2: What are the major types of air masses that affect North America?	Choose two options: <ul style="list-style-type: none"> ● https://www.youtube.com/watch?v=Kmhizd4De2E ● Watch Discovery Education video, "Air Masses" in your assignments tab of Discovery Education ● Use the textbook, pgs. A79-A85 	Create a chart you create in your science notebook for each type of Air Mass in North America. <table border="1"> <thead> <tr> <th>Symbol</th> <th>Name</th> <th>Characteristics</th> </tr> </thead> <tbody> <tr> <td>mP</td> <td>maritime polar</td> <td>wet, cold</td> </tr> <tr> <td>mT</td> <td></td> <td></td> </tr> <tr> <td>cP</td> <td></td> <td></td> </tr> <tr> <td>cA</td> <td></td> <td></td> </tr> <tr> <td>cT</td> <td></td> <td></td> </tr> </tbody> </table>	Symbol	Name	Characteristics	mP	maritime polar	wet, cold	mT			cP			cA			cT		
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Part 3: When air masses meet...what is a front?	Watch animation, "Meteorology" assigned in Discovery Education.	Write out and answer the question, "What is a front?"																		
Part 4: Fronts	Choose two options: <ul style="list-style-type: none"> ● Discovery Education animation, "Make it Rain" in your assignments tab of Discovery Education ● Discovery Education video clip, "Fronts" in your assignments tab of Discovery Education 	List and describe the four types of fronts. Include a color-coded sketch of the symbol from a weather map. You can also sketch a side view of the weather event if you would like.																		

Name: _____

Block: _____

Date: _____

	<ul style="list-style-type: none">● Pearson Prentice Hall Animation, http://www.phschool.com/atchool/phsciexp/active_art/weather_frnts/● Use the website: http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/af/frnts/home.rxml (You will need to click on the links to see each in detail)● Use the textbook, pgs. A79-A85● Use the website, http://okfirst.mesonet.org/train/meteorology/Fronts.html	
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