









Air Masses Interactive Activity - PK - 2020-2021

Questions

Responses 74



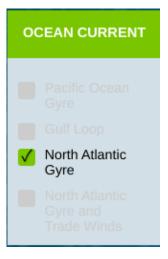
Total points: 10

Air Masses Interactive Activity

- 1. Go to this website: https://ssec.si.edu/weather-lab
- 2. Click "LAUNCH THIS APP"
- 3. Answer the questions below while interacting with the app.

This form is automatically collecting email addresses for Wappingers Central School District users. Change settings

Check "North Atlantic Gyre" under the ocean current list on the left side of the website. (Gyre is pronounced like wire, but with a "g" instead of a "w".)



1. In the white text box that appears, what direction does it say that the North Atlantic Gyre moves?





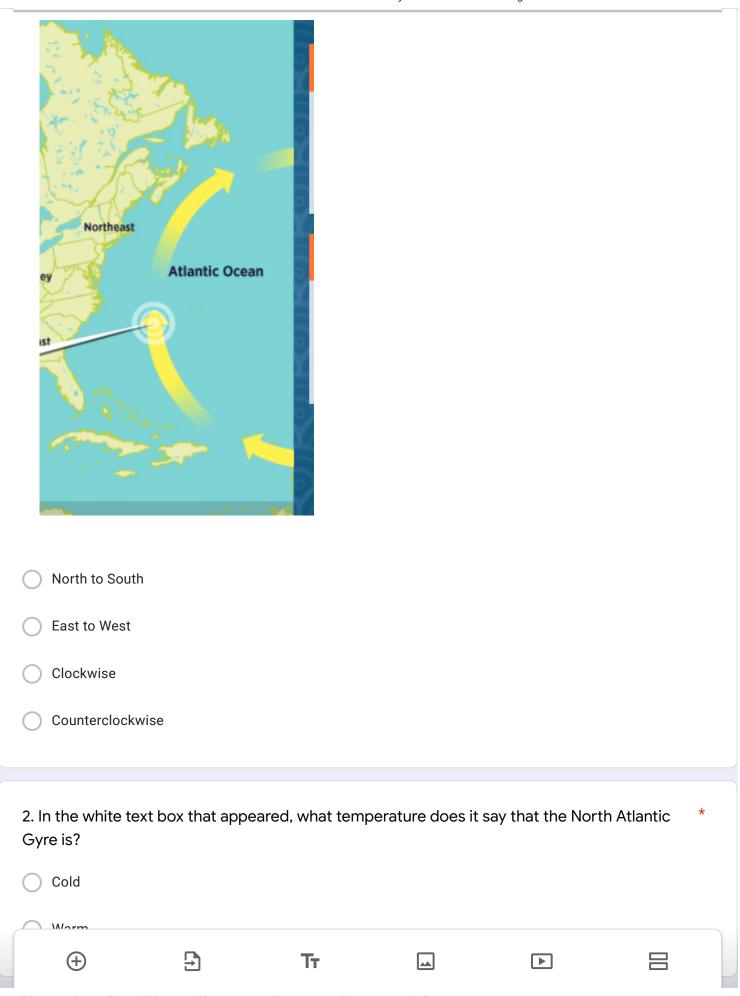


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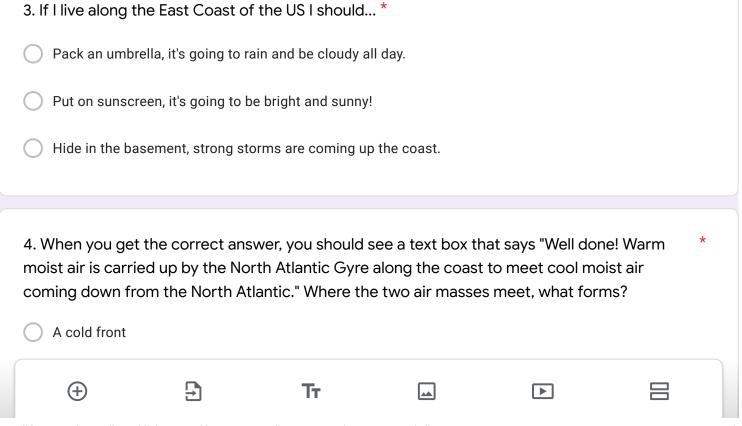






Keep North Atlantic Gyre checked. Now, check mTropical for Air Mass 1 and mPolar for Air Mass 2. Then check "NEXT".





O An occluded front										
A stationary front										
Click, "RESET," and then check "North Atlantic Gyre and Trade Winds."										
OCEAN CURRENT Pacific Ocean Gyre Gulf Loop North Atlantic Gyre ✓ North Atlantic Gyre and Trade Winds										
5. Look at the white text box that appears when you check "North Atlantic Gyre and Trade * Winds." North Atlantic trade winds occur as air moves around the Earth. The North Atlantic										
Trade winds flow From the equator towards the North Pole From the North Pole towards the equator From the equator towards the South Pole										
					From the South Pole towards the equator					
					Keep "North Atlantic Gyre and Trade Winds" checked. Now check "mTropical," and then check					
⊕										



6. If I live along the East Coast of the US I should *	
Put on shorts and a t-shirt, it will be nice and sunny.	
Review my hurricane plan with the family.	
Put on a wooly sweater.	
7. When you get the correct answer, you should see a text box that says, "Well done! Warm moist tropical air is carried by winds blowing across the Atlantic from Africa (called Trade Winds). " This creates the following progression:	*
tropical disturbance> tropical storm> cycle or hurricane	
cycle or hurricane> tropical storm> tropical disturbance	
tropical storm> cycle or hurricane> tropical disturbance	

Click "RESET." Then, click "North Atlantic Gyre," "mPolar," and "cPolar." Afterwards, click





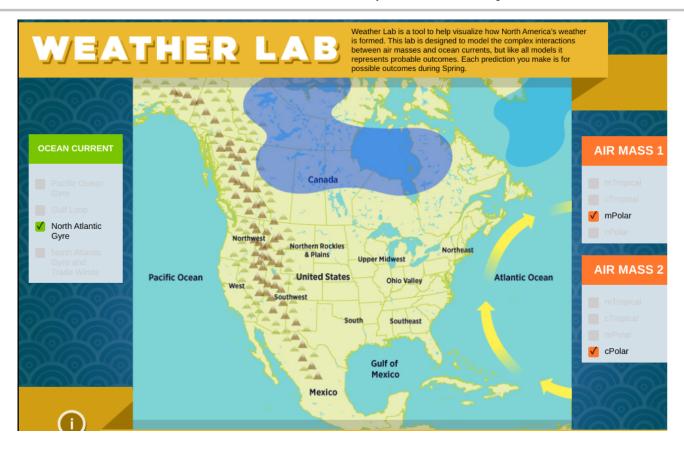
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tropical storm --> tropical disturbance --> cycle or hurricane



8. If I live in New England, I should *
Check which route I take to school, there might be flooding and heavy rains.
Put on sunglasses, it's going to be a bright and sunny day.
Hide in the basement, tornados are coming.
9. When you get the correct answer, it will say "Well done! Cold dry air, coming from the Arctic * and Canada meets cool moist air carried by the North Atlantic Gyre. " What occurs when
these two air masses meet?
these two air masses meet? Tornados

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ightharpoons

10/11/2020	Air Masses Interactive Activity - PK - 2020-2021 - Google Forms	
Nor'easters and heavy rain		
10. Where does weather seem to	o occur? *	
In the middle of air masses		
Where air masses meet		
It occurs randomly		
11. Create one more weather sys	stem. Tell me the order that you picked and the type of	*
weather that occurred in what a		
Long answer text		





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