

Weather Permitting

Practice Test

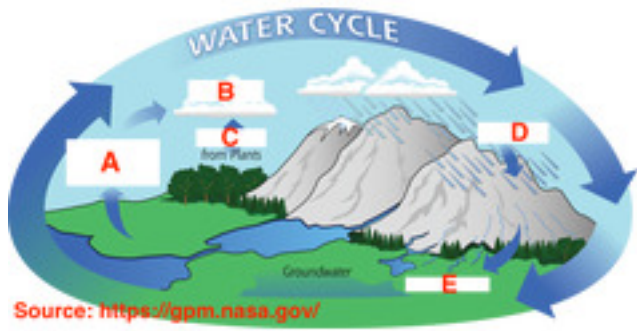
The real test will also be in this Nearpod format, but it will not be self-paced with the answers like this one.

Good Luck!



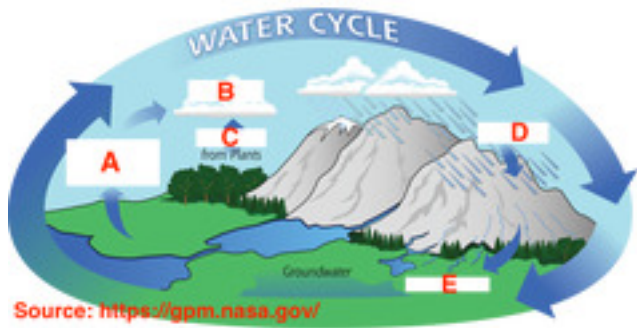
Quiz

Quiz Section 1



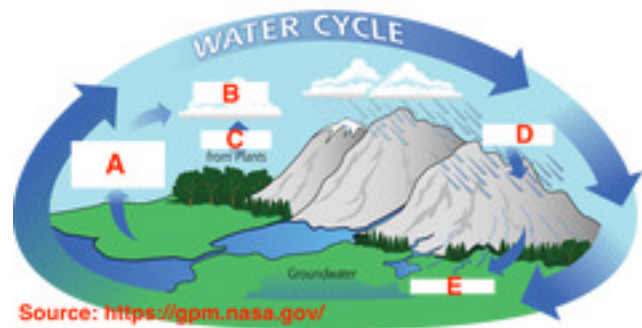
Look at the picture to the right. You can click it to make it bigger. What process is shown in letter A?

- Evaporation
- Precipitation
- Runoff
- Transpiration



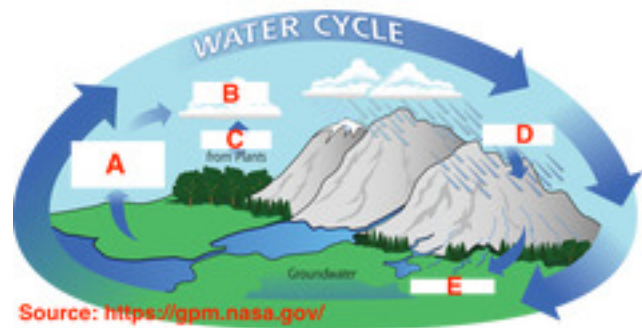
Look at the picture to the right. You can click it to make it bigger. What process is shown in letter B?

- Condensation
- Evaporation
- Precipitation
- Transpiration



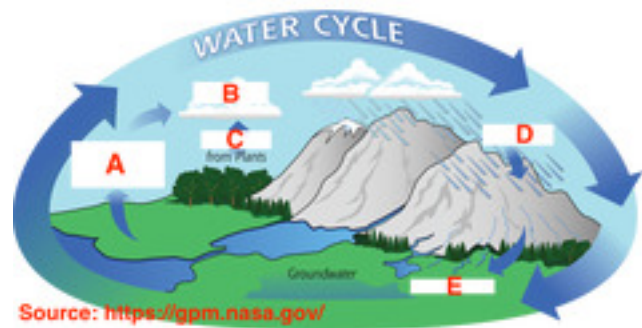
Look at the picture to the right. You can click it to make it bigger. What process is shown in letter C?

- Condensation
- Evaporation
- Precipitation
- Transpiration



Look at the picture to the right. You can click it to make it bigger. What process is shown in letter D?

- Condensation
- Evaporation
- Precipitation
- Transpiration



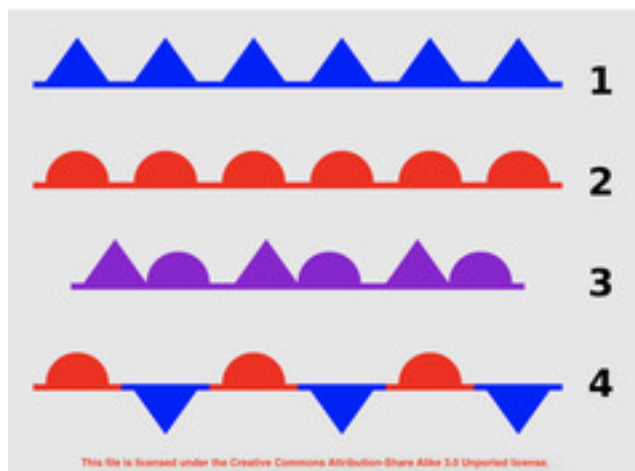
Look at the picture to the right. You can click it to make it bigger. What process is shown in letter E?

- Condensation
- Evaporation
- Precipitation
- Runoff**



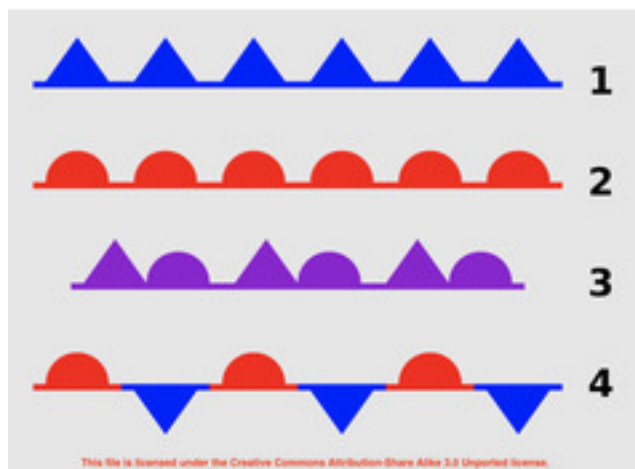
Quiz

Quiz Section 2



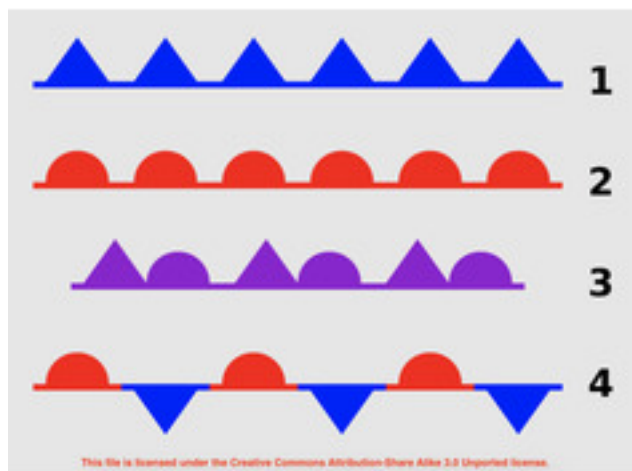
Look at the picture to the right. You can click it to make it bigger. What type of front is number 1?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front



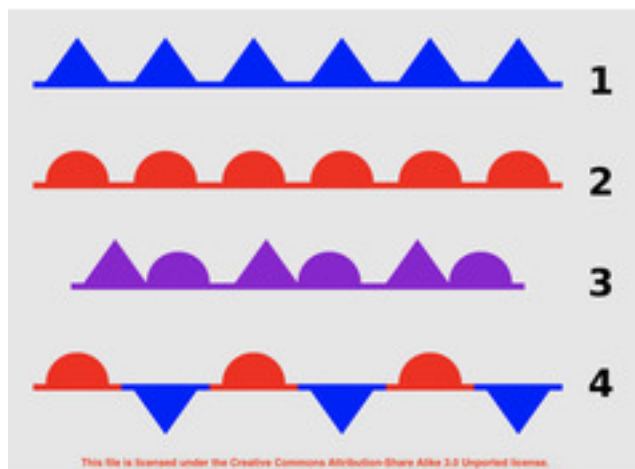
Look at the picture to the right. You can click it to make it bigger. What type of front is number 2?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front



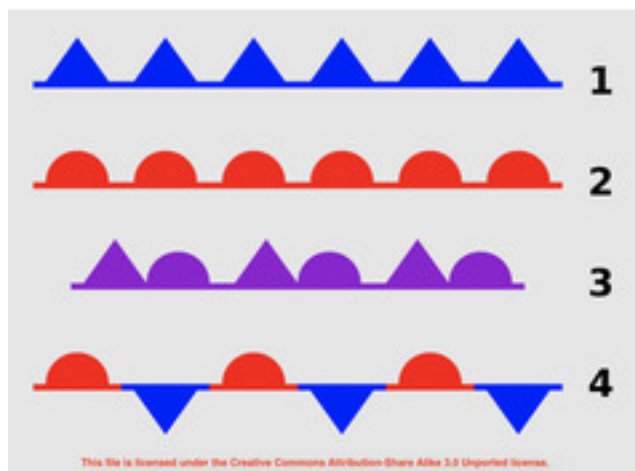
Look at the picture to the right. You can click it to make it bigger. What type of front is number 3?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front



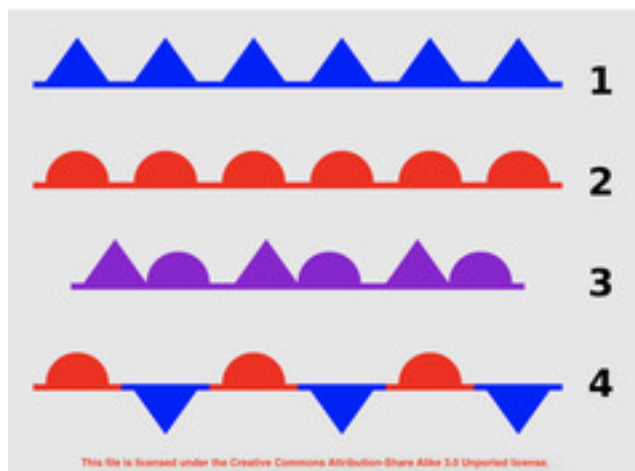
Look at the picture to the right. You can click it to make it bigger. What type of front is number 4?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front



Look at the picture to the right. You can click it to make it bigger. It is a warm summer afternoon. Which type of front might come through the area and cause an afternoon thunderstorm?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front



Look at the picture to the right. You can click it to make it bigger. It is a warm summer afternoon. Which type of front might come through the area and cause an afternoon thunderstorm?

- Cold Front
- Occluded Front
- Stationary Front
- Warm Front

When a strong warm front and strong cold front meet each other, what happens?

- The warm air pushes the cold air up higher into the atmosphere.
- The cold air pushes the warm air up higher into the atmosphere.**
- The 2 air masses mix and the new temperature is an average of the original masses.
- The 2 fronts push against each other, but don't move.

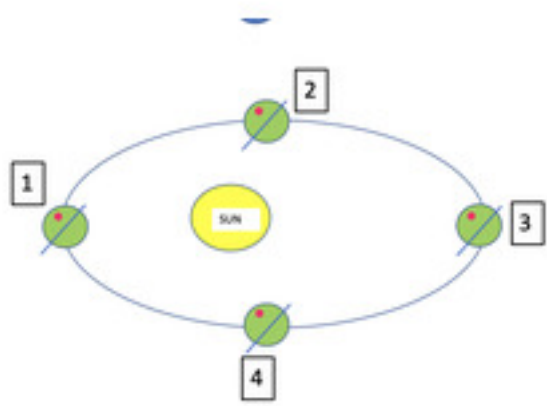
When a weak warm front and weak cold front meet each other, what happens?

- The warm air pushes the cold air up higher into the atmosphere.
- The cold air pushes the warm air up higher into the atmosphere.
- The 2 air masses mix and the new temperature is an average of the original masses.
- The 2 fronts push against each other, but don't move.



Quiz

Quiz Section 3



* You can click the picture to make it bigger. This picture shows the Earth on its axis traveling around the Sun. It is not drawn to scale. The dot shows where NC is on the globe. Which number shows the time of year when it is Summer in NC.

- 1
- 2
- 3
- 4



What upper atmosphere air masses are shown in this picture?
Credit: NOAA/JPL-Caltech

- Stratosphere
- Troposphere
- Jet Stream**
- Warm Front

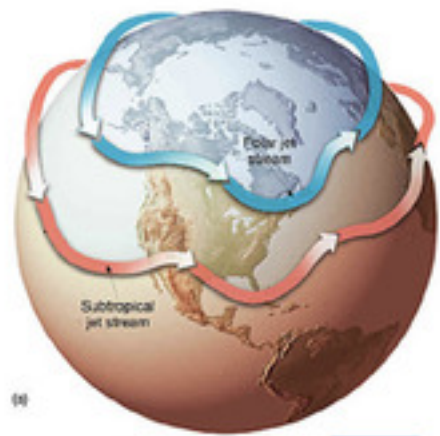


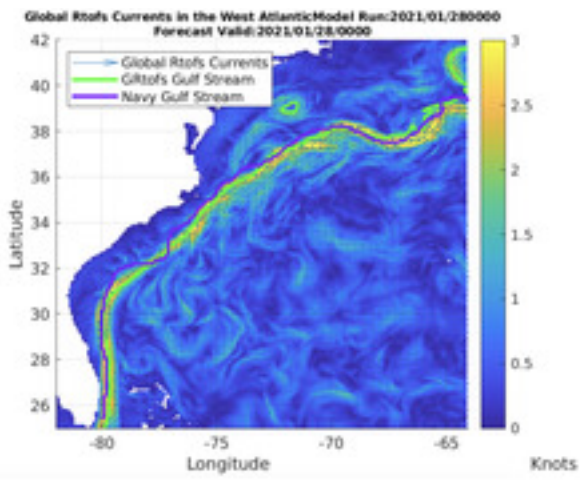
Figure C: Typical Locations of Jet Streams Across North America (Image from NASA)

If the Polar Jet Stream dips south into the United States, what will happen to the weather?

- It will get colder for all areas North of the Jet Stream
- It will get colder for all areas south of the Jet Stream
- It will get warmer for all areas North of the Jet Stream
- It will get warmer for all areas south of the Jet Stream

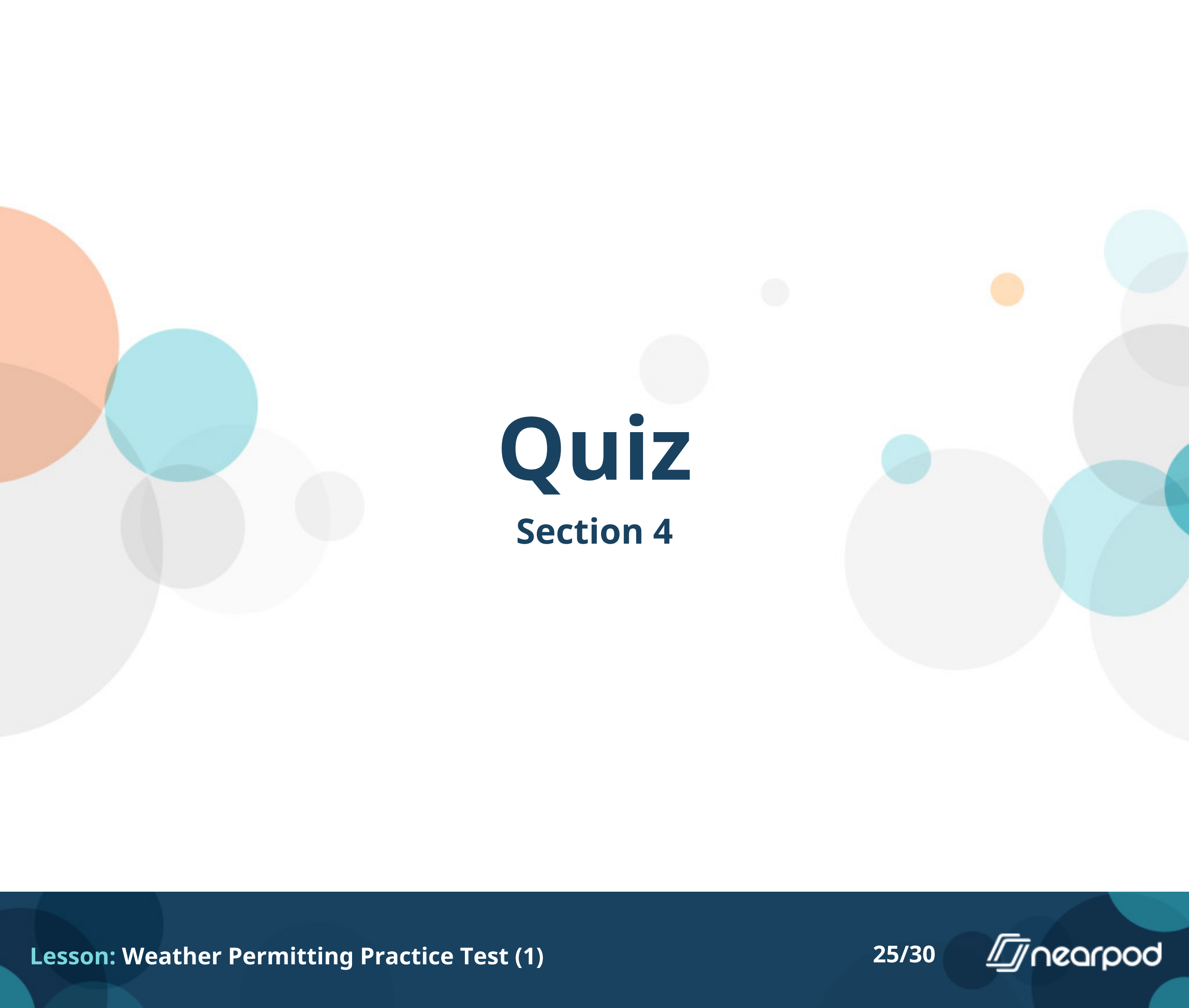
How does the Gulf Stream affect the weather in NC?

- The Gulf Stream makes it rain more near the NC coast
- The Gulf Stream makes it snow more near the NC coast
- The Gulf Stream cools the air near the NC coast
- The Gulf Stream warms the air near the NC coast



This picture shows the location of the Gulf Stream on 1/28/21.
Picture Source:
https://ocean.weather.gov/sst/GulfStream_compare.php
Where is the Gulf Stream located?

- In the upper atmosphere
- In the lower atmosphere
- In the ocean



Quiz

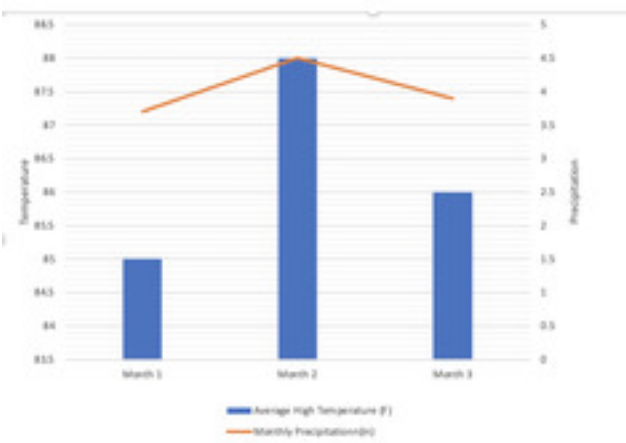
Section 4

Which of these is NOT a type of global prevailing wind?

- Polar Easterlies
- Westerlies
- Trade Winds
- Northern Winds**

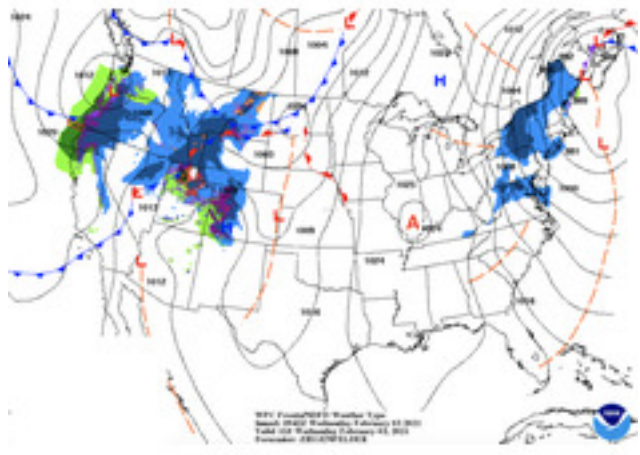
How do winds that travel over the ocean affect the weather?

- The winds pick up moisture over the ocean and carry it over land, where it might rain more.
- The wind loses all its moisture over the ocean and when it travels over land, there is less rain.



This picture (you can click it to make it bigger) shows the average temperature and rainfall for which season in central NC?

- Spring
- Summer
- Winter
- Fall



Look at the weather map to the right. What letter should go where the letter A is?

- H
- L
- S
- T