

Observing the Ocean: The Gulf Stream's influence on our Weather



The weather around the world is constantly changing. A lot is going on that effects our weather.

A major influence on the world's weather is controlled by major ocean currents around the world. The weather is also influenced by the ocean's surface winds called jet streams, temperature, salinity, ocean tides.

Investigate how the ocean effects our weather in the northern hemisphere.

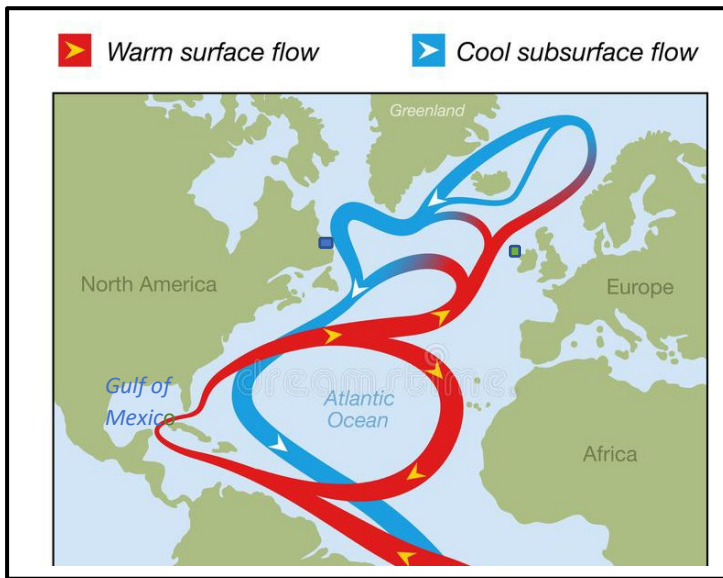


Image showing the Gulf Stream

1a. Locate North America and Europe on the Map. What is the ocean that lies between the two continents?

Locate ■ Ireland and ■ Newfoundland & Labrador, Canada on the map. Both of these countries countries have similar latitudes coordinates across the Atlantic Ocean.

1b. Look online and see if you can find the latitudes for:

Newfoundland: _____

Ireland _____

Examine the weather temperatures in Ireland and Newfoundland & Labrador, Canada by looking at the images of the weather recordings on the 29th of February 2020 below:

2a. Which country has the colder temperature? _____

2b. Calculate the difference in the temperatures? _____

Newfoundland and Labrador, Canada
Updated a few minutes ago

Ireland
Updated a few minutes ago

-4 °C -1°
F -16°
Precipitation: 10%
Wind: 10 KMPH
Humidity: 38%

6 °C 8°
F 1°
Precipitation: 0%
Wind: 19 KMPH
Humidity: 52%

Mostly sunny · Sun 29, 12:55

Sunny · Sun 29, 12:27

Analyse the picture of the Gulf Stream on the map. Follow the arrows and see how the warm currents of the Gulf Stream that start in the Gulf of Mexico, flow into the Atlantic Ocean. Compare this to the cold waters that flow down from Labrador and East Greenland.

3. Explain how the Gulf Stream effects the weather in Ireland compared to Newfoundland:
