Take a ride on the Gulf Stream

**Directions: Use the links for each question to complete the activity below.**

1. <http://encyclopedia.kids.net.au/page/gu/Gulf_stream>

What is the Gulf Stream? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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How does it flow? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Where does it start? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Where does it move to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What happens to the Gulf Stream as it travels north? a.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_c. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the effect of the Gulf Stream to W. Britain and Ireland? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. <http://www.ncbeaches.com/Features/Weather/GulfStream/>

How wide is the Gulf Stream? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How was the Gulf Stream Formed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. <http://oceanservice.noaa.gov/facts/gulfstreamspeed.html>

How fast does the Gulf Stream move? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. <http://fermi.jhuapl.edu/avhrr/gs/averages/index.html>

**Step 1**: Locate the Gulf Stream for the month of October 2015. Click on **October 1. 2015** and use the surface sea temperatures to color the location of the Gulf Stream on the map labeled October.  Use colored pencils (red, orange, yellow, green and blue) to show the temperature differences in the Gulf Stream.
<http://fermi.jhuapl.edu/avhrr/gs/averages/index.html>

**Repeat Step 1** but use the months of January, April, and July. Make sure to click on the 1st of each month.

1. Using your 4 maps, answer the following questions:

How does the Gulf Stream vary during different seasons of the year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Is satellite imagery a good way to track the Gulf Stream? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Is the Gulf Stream a warm or cold water stream? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. <http://www.ndbc.noaa.gov/station_page.php?station=hcgn7>

The information from this website is from a Weather Buoy off of the coast of Hatteras, NC.

What is the current water temperatures for Hatteras, NC? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is this a good time to swim? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Explain your answer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. <https://www.outerbanks.org/outerbanks-fishing/>

What are some common fish caught off-shore from the Outer banks of North Carolina in October?

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