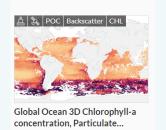
Nam	me: Da	ate:
Stude	dent Handout:	
Obse	serving Chlorophyll Densities In The Oce	ean Before and After A Hurricane
Part I:	I: Watch this video to get a better understanding or	f how phytoplankton is essential to life.
1.	Explain what chlorophyll-a is and why it's health.	important for understanding ocean
2.	2. How would a decrease in the chlorophyll I and global processes? Discuss the potenti carbon cycle, and climate regulation.	
Part I	II.	
•	Go to this site to observe the chlorophyll-climatic changes. CMEMS Data Explorer + Add layer Sea water potential temperature	ج i
•	Click on +add layer.	30 °C
	FREE-TEXT SEAR	СН

• Type in Global Ocean 3D.

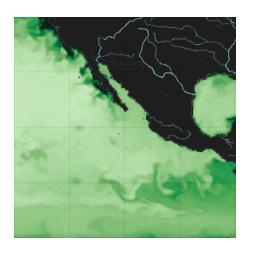


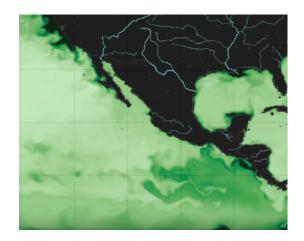
- Click on the image to take you to the interactive map.
- At the bottom of the screen, find the slide bar. Hover over the slide bar to



see the date.

1.	Slide the bar over to July 11. Observe the graph and identify the different
	densities of chlorophyll throughout the pacific ocean . What do you notice?
2.	Next, slide the bar over to July 19. Observe the graph and identify the
	different densities of chlorophyll throughout the pacific ocean . What do you notice?
3.	Do you see any changes in density of chlorophyll in any areas?





July 11, 2023 July 19, 2023

4.	After comparing the two images of the chlorophyll patterns above, discuss how hurricanes impact chlorophyll-a concentrations.		