**Primary Production: Chlorophyll-a Inshore vs. Offshore**

Go to this link: <https://datalab.marine.rutgers.edu/explorations/productivity/activity6.php>

Names in group \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Pacific Group**

*Select the datasets for Inshore—Pacific and Offshore--Pacific by clicking on the boxes under the graph. You will only look at these 2 datasets.*

1. Over what time range is your dataset (be specific)?
2. What is the data range for Chlorophyll-a for the Pacific Inshore?
3. Looking at just the Pacific Inshore what patterns do you see over the time period the data was collected?
4. Hypothesize what could be causing the patterns you see for the Pacific Inshore dataset.
5. What is the data range for Chlorophyll-a for the Pacific Offshore?
6. Looking at just the Pacific Offshore what patterns do you see over the time period the data was collected?
7. Hypothesize what could be causing the patterns you see for the Pacific Offshore dataset.
8. Compare the Pacific Inshore to Offshore data sets. Are there any similarities or differences across the time period?
9. Are the same processes at work for both the Inshore and Offshore? Or are different variables affecting the concentration of primary producers?

Primary Production: Chlorophyll-a Inshore vs. Offshore

Go to this link: <https://datalab.marine.rutgers.edu/explorations/productivity/activity6.php>

Names in group \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Atlantic Group**

*Select the datasets for Inshore—Atlantic and Offshore--Atlantic by clicking on the boxes under the graph. You will only look at these 2 datasets.*

1. Over what time range is your dataset (be specific)?
2. What is the data range for Chlorophyll-a for the Atlantic Inshore?
3. Looking at just the Atlantic Inshore what patterns do you see over the time period the data was collected?
4. Hypothesize what could be causing the patterns you see for the Atlantic Inshore dataset.
5. What is the data range for Chlorophyll-a for the Atlantic Offshore?
6. Looking at just the Atlantic Offshore what patterns do you see over the time period the data was collected?
7. Hypothesize what could be causing the patterns you see for the Atlantic Offshore dataset.
8. Compare the Atlantic Inshore to Offshore data sets. Are there any similarities or differences across the time period?
9. Are the same processes at work for both the Inshore and Offshore? Or are different variables affecting the concentration of primary producers?