**Directions:** Use the IOOS website, [www.ioos.noaa.gov](http://www.ioos.noaa.gov) to determine a region of interest. This region may be where you live or an area of interest. Visit the given Regional Association website to complete the scavenger hunt below, good luck!

1. What does IOOS stand for?
2. What are some of the data products available to view ocean information?
3. What is the geographic scope of the Regional Association?
4. What images or icons are seen on the home page?
5. List 3 different projects from the website and what they do.
6. What aspects of forecasting does the system provide?
7. What types of technology and instruments are being used for monitoring?
8. Why is ocean information important?
9. What wildlife or marine life is being monitored, if any?

1. When looking at the Real-Time map, what appears when an icon is clicked on?

*NERACOOS Example:*

1. What does IOOS stand for? *Integrated Oceanic Observing System*
2. What are some of the data products available to view ocean information? D*ata from stations, and hourly buoy reports, ocean climate, wave forecasts, historical data and observations*
3. What region of the United States does the system cover for monitoring? *NERACOOS covers the northeastern region from coastal Canada down to the New York Bight.*
4. What images or icons are seen on the home page? *A link to the hourly buoy map, data product pictures, and symbols for wind, waves, water, temperature and currents.*
5. List 3 different projects the website gives. *Nutrient Observatory, Sentinel Monitoring and Improving Northeast Coast Storm-Related Data*
6. What aspects of forecasting does the system provide? *Ocean, wave, wind and wave, and coastal flooding and erosion forecasts.*
7. What types of technology and instruments are being used for monitoring? *Buoys, wave gliders, radar, and stations.*
8. Why is ocean information important? *To monitor how the ocean is changing, for example: ocean acidification, warming ocean temperatures, sea level rise, increasing storm intensity and variability, and lack of cyberinfrastructure. Also important for safety when going out in the water, especially during storms. Ocean information is also used by the National Weather Service when creating weather forecasts.*
9. What wildlife or marine life is being monitored, if any? *Right Whales are being monitored near Boston.*
10. When looking at the Real-Time map, what appears when an icon is clicked on? *Wind speed, wind direction, wind gust, wave height, wave period, wave direction, air temperature, air pressure, and water temperature as well as graphs for the last 12 hours of data. Some components are not present on all buoys. The name of the buoy and who it is operated by is also listed.*