

Chemical Oceanography

1. How do we measure salinity, list other elements besides chloride and sodium that are found in the oceans.
2. What is a halocline?
3. What are osmotic conformers vs regulators? list two examples of each.
4. How does temperature effect living organisms in the ocean?
5. When water cycles through the earth, it only stays in the atmosphere for about 9 days, but it can stay in the ocean for over 3,000 years. Why do you think there is such a big difference for the time frame for each phase? What might contribute to this difference in time?
6. Where do the dissolved salts in ocean water come from?
7. Outside of sodium and chlorine, what other salts are found in ocean water?
8. How does oxygen get into the ocean?
9. How salty is ocean water?
10. How does salinity impact water density?
11. Describe two ways of removing salt from ocean water? What is this process called?
Explain the scientific theory behind each process.
12. How do conditions in the ocean change with depth?
13. Why do we care about the dissolved oxygen content of water?
14. What is the oxygen minimum zone?
15. List three organisms that live at each of the zones listed on the presentation