ES 11 Ocean Study Guide

1. Define: Density, Salinity
2. What is the importance of oceans?
3. How did oceans form?
4. Be able to label the main ocean on a map.
5. Why is ocean salty?
6. How is salinity measured?
7. List factors that increase salinity.
8. List factors that decrease salinity.
9. How does temperature affect density?
10. How does salinity affect density?
11. Explain how latitude affect ocean temperature.
12. What other factors affect ocean temperature?
13. Describe how surface currents distribute heat.
14. Describe how Deep currents are moved – what drives them?
15. Describe the difference in temperatures of a coastal city compared to one inland at the same latitude.
16. Be able to describe each of the three main ocean layers.
17. How do oceans affect climate?
18. How does climate affect oceans?
19. Describe the affect of sea ice melting on current.
20. What is ocean acidification? What causes it? What is the consequence?