Ocean Movement Study Guide

1. Air Pressure
2. Air pressure of warm vs. cold air
3. Barometer
4. How wind forms and the direction wind blows.
5. Description and Location of global Winds (Doldrums, Trade Winds, Westerlies, and Easterlies)
6. Climate vs. Weather
7. Climate Zones
8. Factors determining climate
9. Sea vs. Land Breezes
10. Density
11. Density of warm vs. cold water
12. Density of high vs. Low salinity water
13. Ocean Currents (Surface and Deep) – scientific names and causes.
14. What causes warm vs. cold currents
15. Know important surface currents such as the California current and gulf stream and their impact on places around the globe.
16. Ocean Temperature Layers
17. Waves (how they form, shape, movement, and structure).
18. Tides (Causes and changes)
19. Conditions and Causes of Normal, El Nino, and La Nina years.