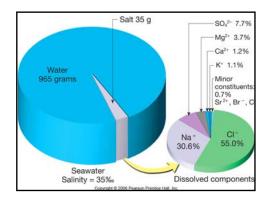
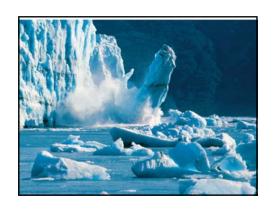
Chemistry and Physics of Ocean Water Oceanic Life



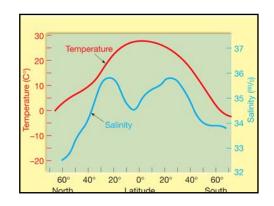
To make seawater, combine:	Amount (grams)
Sodium chloride (NaCl)	23.48
Magnesium chloride (MgCl ₂)	4.98
Sodium sulfate (Na ₂ SO ₄)	3.92
Calcium chloride (CaCl ₂)	1.10
Potassium chloride (KCI)	0.66
Sodium bicarbonate (NaHCO ₃)	0.192
Potassium bromide (KBr)	0.096
Hydrogen borate (H ₃ BO ₃)	0.026
Strontium chloride (SrCl ₂)	0.024
Sodium fluoride (NaF)	0.003
Then add:	

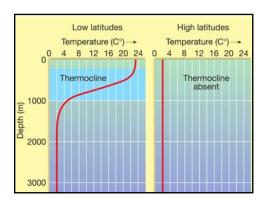


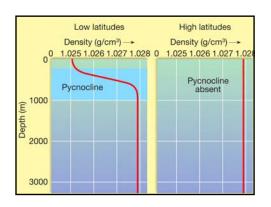


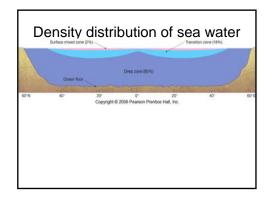






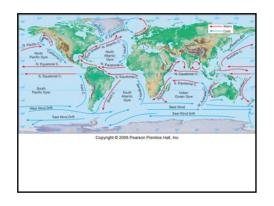


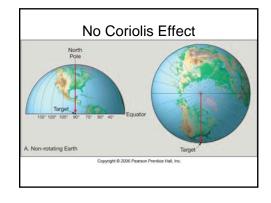


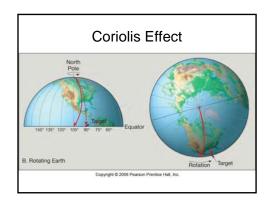






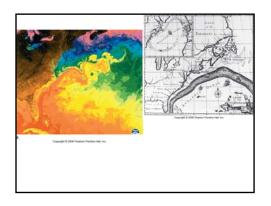






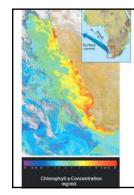






Currents to remember:

- Gulf Stream
- Warmnorthward flow along west side of N. Atlantic
- Kuroshio
- Warm northward flow along west side of N. Pacific
- California
- Cool southward flow along east side of N .Pacific
- West Wind Drift
- West to east "around the world" flow in southern hemisphere
- Equatorial currents
- East to west flow that run into land masses at west side of ocean basins



Coastal Upwelling shown by chlorophyll content of water



