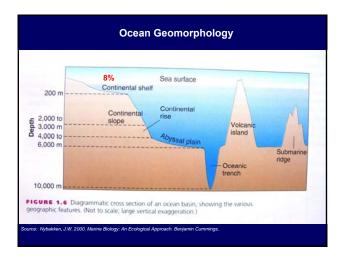
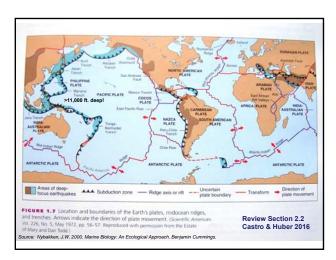
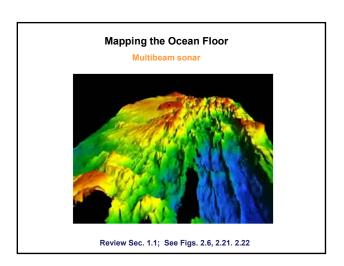


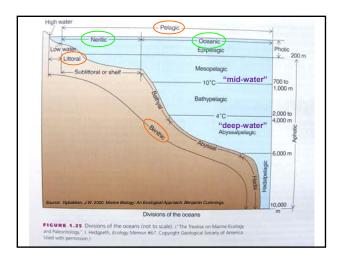
Catherine Woodward 1 of 7

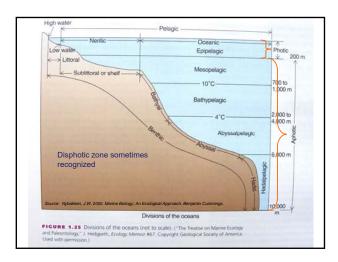


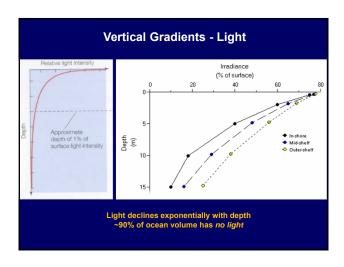




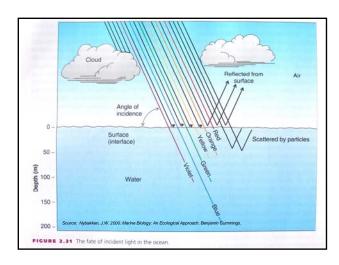
Catherine Woodward 2 of 7







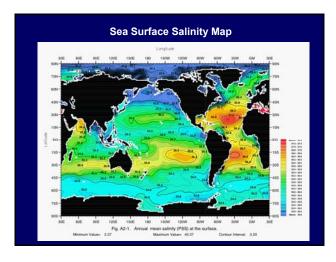
Catherine Woodward 3 of 7



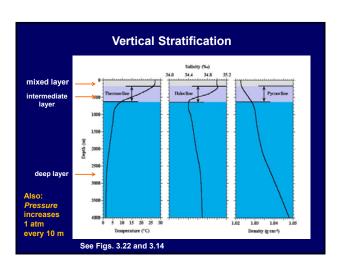
Properties of Sea Water
Recall properties of water!
Salinity = total amount of dissolved material (practical salinity units – psu) • 96.5% water, 3.5% dissolved substances
• salinity ~35 °/°° (parts per thousand): Range 34-37 psu
think: where is it higher or lower?
halocline = salinity gradient
Most processes that affect salinity occur at the surface! (read pg. 55)
i i



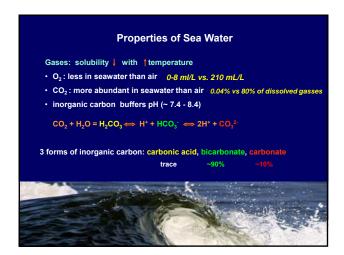
Catherine Woodward 4 of 7

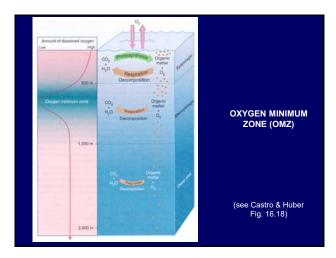


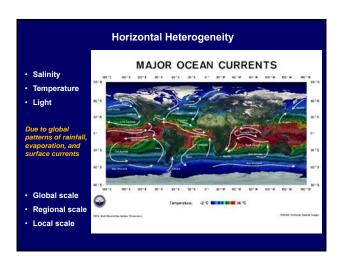
Properties of Sea Water Density of pure water = 1 g/ml • increases with incr. salinity • increases with decr. temperature to freezing point -1.9°C • thermocline = temperature gradient • pycnocline = density gradient



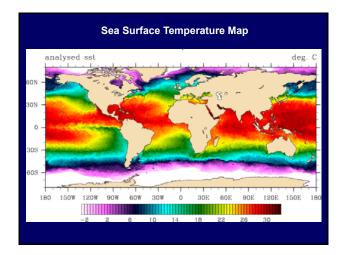
Catherine Woodward 5 of 7

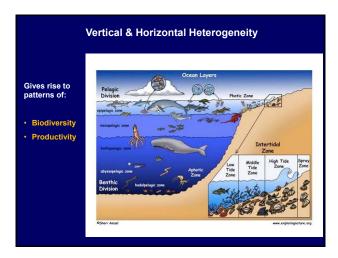






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