

## GG 140 - The Atmosphere, the Ocean and Environmental Change with Professor Ronald B. Smith

### Lecture 22 – Ocean Currents and Productivity

4. Ocean "topography." Image credit: NASA JPL. <http://sealevel.jpl.nasa.gov/newsroom/pressreleases/index.cfm?FuseAction=ShowNews&NewsID=126> (Accessed Oct. 20, 2011)
5. Wind driven currents. Image credit: UCAR. [http://cubanology.com/Articles/Ocean\\_Currents\\_The\\_Distribution\\_of\\_Life.htm](http://cubanology.com/Articles/Ocean_Currents_The_Distribution_of_Life.htm) (Accessed Oct. 20, 2011)
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18. Ocean food chain. Image credit: Encyclopedia Britannica. <http://www.britannica.com/EBchecked/topic/212636/food-chain> (Accessed Oct. 20, 2011)

19. Euphotic and aphotic zones. Image credit: Eugene S. Takle. [http://www.meteor.iastate.edu/gccourse/chem/gases/gases\\_lecture.html](http://www.meteor.iastate.edu/gccourse/chem/gases/gases_lecture.html) (Accessed Oct. 20, 2011)

Euphotic and aphotic zones. Image credit: unknown. <http://www.enchantedlearning.com/biomes/ocean/sunlit/> (Accessed Oct. 20, 2011)

20. Surface phytoplankton. Image credit: NASA SeaWiFS Project. <http://earthobservatory.nasa.gov/IOTD/view.php?id=4097> (Accessed Oct. 20, 2011)

22. Fish Production. Image credit: UN FAO FISHSTAT Database. <http://www.theglobaleducationproject.org/earth/fisheries-and-aquaculture.php> (Accessed Oct. 20, 2011)

23. Sperm Whales. Image credit: unknown. <http://www.acsonline.org/factpack/spermwhl.htm> (Accessed Oct. 20, 2011)