**Homework: Chapter 5  
10 points**

Global Winds and Pressure, p. 137-141.

1. What is the connection between the Hadley cell and the sub-tropical high pressure cells?

2. Diagram a subtropical high-pressure cell in both the Northern and Southern Hemispheres. Explain their connection to global wind patterns.

3. Refer to the maps on p. 145. For the July Northern Hemisphere map, where are the sub-tropical highs located and why? What effect do these highs have on weather? Where are the areas of low pressure and why?

4. Refer to the maps on p. 145. For the Southern Hemisphere, why is there very little difference between July and January?

Local Winds p. 147-149.

3. Describe the reasons for and effects of the Santa Ana winds.

Ocean Circulation, p. 150-152.

3. What is the connection between latitude and ocean circulation?