Name:

Class:

Heat Transfer Within the Atmosphere

1. What is a convection current?
2. What causes it?
3. How does the rising and sinking of air affect the air pressure?
4. During the day is the air hotter over land or water? Why?
5. What direction does the wind blow during the day (sea breeze or land breeze) and why?
6. During the night is the air hotter over land or water? Why?
7. What direction does the wind blow during the night (sea breeze or land breeze) and why?
8. What direction does the deep ocean current move? (where does the water get hot and where does it move to? Where does it get cold and where does it move to?)
9. Why is the global wind pattern not a strictly circular cell?
10. What direction do winds get turned (deflected) in the northern hemisphere and the southern hemisphere? (What is this called?)