

Sea Breeze and Land Breeze

Directions: Using the diagrams you drew in your ISN and your textbook pages 188 and 194, answer the questions below on a piece of notebook paper. Write your name, date, and period on it and turn it in when your done.

1. In the diagrams you drew, what type of heat transfer is the circular motion?
2. What causes these circular motions of air to occur?
3. Why is the warmer air rising while the colder air is sinking?
4. Why is the land significantly warmer in the daytime when compared to the ocean?
5. When warm air rises, what type of pressure is formed at the surface of the land or the sea?
6. During the daytime, would you face towards the land or the ocean to feel a breeze blowing on your face?
7. Would this daytime breeze feel warm or cool?
8. What does uneven heating cause?
9. What does the speed of wind depend on?
10. How does air pressure affect the movement of the air?