Multiple Choice

1. In humid climates, clouds at night tend to form over the water during a:
   a. Santa Ana wind
   b. chinook wind
   c. lake breeze
   d. land breeze
   e. sea breeze

2. The winter monsoon in eastern and southern Asia is characterized by:
   a. wet weather and winds blowing from sea to land
   b. wet weather and winds blowing from land to sea
   c. dry weather and winds blowing from sea to land
   d. dry weather and winds blowing from land to sea

3. A thermal low does not:
   a. form in a region of warm surface air
   b. form in response to variations in surface air temperature
   c. become stronger with increasing height

4. Which of the following is an example of mesoscale motion?
   a. winds blowing past a row of trees
   b. winds blowing through a city
   c. winds on a 500-mb chart
   d. average winds of the Northern Hemisphere
   e. average winds of the entire world

5. The prevailing winds in South Florida are northeasterly. Consequently, the strongest sea breeze normally occurs on Florida's _______ coast, and the strongest land breeze on Florida's _______ coast.
   a. east, west
   b. east, east
   c. west, east
   d. west, west

6. An offshore wind blows:
   a. from water to land
   b. from land to water
   c. either from water to land or from land to water