

4. A jet maximum or jet streak is:
 - a. a contrail that forms behind a jet aircraft
 - b. a region of strong winds in a jet stream
 - c. a sharp change in wind speed or wind direction
 - d. the flow of air around a mountain
 - e. a small jet stream less than 1000 km long

5. At the equator, according to the three-cell general circulation model, we would *not* expect to find:
 - a. heavy showers
 - b. the ITCZ
 - c. cumuliform clouds
 - d. a ridge of high pressure

6. Which below is *not* considered a semipermanent high or low pressure area?
 - a. Siberian high
 - b. Aleutian low
 - c. Icelandic low
 - d. Bermuda high
 - e. Pacific high

7. The three-cell model of the general circulation says that in the Northern Hemisphere, you would expect to observe the westerlies:
 - a. southward of the ITCZ
 - b. southward of the subtropical highs
 - c. northward of the subtropical highs
 - d. northward of the subpolar lows
 - e. southward of the northeast trades

8. According to the three-cell general circulation model, one would expect the driest regions of the world to be near:
 - a. latitude 30° and latitude 60°
 - b. latitude 30° and the polar regions
 - c. the equator and the polar regions
 - d. the equator and 30° latitude
 - e. the equator and 60° latitude

9. Which of the following does *not* occur during a major El Niño event?
 - a. extensive ocean warming occurs over the tropical Pacific Ocean
 - b. it may last for many months
 - c. large numbers of fish often die along the coast of Peru
 - d. it influences the westerly winds aloft, bringing too much rain to some regions and too little to others
 - e. the subtropical high pressure area off the coast of South America increases in strength