

Fill in the Blank

1. The majority of the United States lies within a wind belt known as the _____.
2. _____ is mainly responsible for the cold coastal water observed along the west coast of North America.
3. The jet stream situated at the tropopause in the vicinity of the polar front is called the _____.
4. The Pacific Ocean's counterpart to the Atlantic's Bermuda-Azores high is called the _____.
5. Much of Alaska lies within this wind belt: _____.
6. _____ are responsible for the existence of the major deserts of the world observed near 30° latitude.

Multiple Choice

1. The horse latitudes are the result of:
 - a. the polar front jet stream
 - b. the ITCZ
 - c. the subtropical highs
 - d. the subpolar lows
 - e. the polar high
2. In terms of the three-cell model of the general circulation, areas of surface low pressure should be found near:
 - a. the equator and 60° latitude
 - b. the equator and the poles
 - c. the equator and 30° latitude
 - d. 30° latitude and 60° latitude
 - e. 30° latitude and the poles
3. The main reason for the dry summers observed along the southwest coast of North America is that:
 - a. the air along the coast is too cool to produce adequate precipitation
 - b. the ITCZ moves north in summer, blocking storms from entering the area
 - c. the polar jet stream moves over the area in summer
 - d. the northeast trades sweep into the region
 - e. the Pacific high moves northward, producing sinking air over the region