

Name _____

Student ID _____

- 1) Winds in the upper atmosphere are:
 - A) faster in summer than in winter in both the northern and southern hemisphere.
 - B) westerly only in the southern hemisphere.
 - C) westerly only in the northern hemisphere.
 - D) westerly in both the northern and southern hemisphere.

- 2) This is NOT a part of the Hadley cell:
 - A) subtropical highs.
 - B) mid-latitude westerlies.
 - C) ITCZ.
 - D) trade winds.

- 3) The two major jet streams that impact weather in the northern hemisphere are the:
 - A) polar jet stream and the sub-tropical jet stream.
 - B) polar jet stream and the low-level jet stream.
 - C) the sub-tropical jet stream and the low-level jet stream.
 - D) None of the above. Jet streams are not significant to northern hemisphere weather.

- 4) The Santa Ana winds:
 - A) receive much of their heat from the hot deserts over which they travel.
 - B) are named after a former leader of Mexico.
 - C) result from high pressure over the Rocky Mountains.
 - D) are most common in summer.

Answer Key

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- 1) D
- 2) B
- 3) A
- 4) C