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ESS-5: THE ATMOSPHERE / QUIZ #2 (4/22/2008)

- __D__** 1) The effect of friction on air: A) increases the Coriolis force. B) increases with height. C) increases wind speed. D) is relevant only within the planetary boundary layer.
- __D__** 2) Barometric pressure is a measure of: A) pressure gradient force. B) atmospheric moisture. C) air density. D) the weight of the atmosphere.
- __B__** 3) The four factors that are totally responsible for wind are: A) the centripetal acceleration, moisture content, friction, Coriolis force. B) the Coriolis force, friction, the centripetal acceleration, the pressure gradient force. C) the pressure gradient force, the Coriolis force, the centripetal acceleration, moisture content. D) friction, centripetal acceleration, pressure gradient force, moisture content.
- __D__** 4) Anticyclones: A) do not have winds in the upper atmosphere that follow height contours. B) are associated with subgeostrophic winds. C) have air spiraling into them at lower elevations. D) have clockwise winds in the Northern Hemisphere.