

Name _____ Student ID #: _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 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.

- 2) Barometric pressure is a measure of:
 - A) pressure gradient force.
 - B) atmospheric moisture.
 - C) air density.
 - D) the weight of the atmosphere.

- 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.

- 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.

Answer Key

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MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

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