

## Geo130 Chp 5

Name \_\_\_\_\_

- 1) A counterclockwise atmospheric circulation in the Northern Hemisphere is known as a/an \_\_\_\_\_.
  - A) anticyclone
  - B) cyclone
  - C) Coriolis effect
  - D) pressure gradient
  - E) troposphere
- 2) The region in which the intertropical convergence can be found is \_\_\_\_\_.
  - A) near the North Pole
  - B) the Equator
  - C) the Southeastern United States
  - D) northern Australia
  - E) central Siberia
- 3) \_\_\_\_\_ are map lines connecting points of equal atmospheric pressure.
  - A) Isobars
  - B) Millibars
  - C) Contours
  - D) Isohyets
  - E) Isotherms
- 4) Surface winds tend to be \_\_\_\_\_ those at a higher level.
  - A) faster than
  - B) slower than
  - C) clockwise to
  - D) counterclockwise to
  - E) the same as
- 5) Divergence is most closely associated with \_\_\_\_\_.
  - A) surface air in cyclones
  - B) surface air in anticyclones
  - C) cold air circulations
  - D) jet stream circulations
  - E) the intertropical convergence
- 6) Cyclones, in the Northern Hemisphere, are \_\_\_\_\_ air flows.
  - A) clockwise
  - B) counterclockwise
  - C) north flowing
  - D) south flowing
  - E) mythical
- 7) Which of the following refers only to the horizontal motion of air?
  - A) the general circulation
  - B) subsidence
  - C) updraft
  - D) a balance of atmospheric forces
  - E) wind

8) Of the weather elements below, which is the one of which we are usually LEAST aware without the use of weather instruments?

- A) temperature
- B) pressure
- C) wind
- D) moisture
- E) We are very aware of all of the above.

9) The reason winds exist is \_\_\_\_\_.  
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- A) the unequal heating of the Earth system
- B) Coriolis effect
- C) because air is a mixture of gases
- D) friction
- E) altitude differences

10) Wind speed is determined by \_\_\_\_\_.  
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- A) latitude
- B) parallax
- C) pressure gradient force
- D) Coriolis effect
- E) random motions of gas molecules

11) The contact zone of warm tropical and cold Polar air is known as the

- A) subtropical high.
- B) Polar easterly.
- C) Polar front.
- D) monsoon.
- E) intertropical convergence.

12) The "horse latitudes" are zones of minimal winds which are associated with the \_\_\_\_\_ system.

- A) subtropical high pressure
- B) trade wind
- C) westerly wind
- D) Polar easterly wind
- E) intertropical convergence