



## Weather and Forecasting - Review Questions

1. Which of the following is not required for precipitation?
  - a. condensation nuclei
  - b. a source of lift
  - c. moisture
  - d. southerly winds
  
2. Sleet and freezing rain are caused by a cold layer of air aloft (TRUE, FALSE)?
  
3. Which one of these clouds can produce moderate to heavy precipitation?
  - a. cumulonimbus
  - b. stratocumulus
  - c. altostratus
  - d. nimbostratus
  
4. A mid-level cloud deck that has a heap-like appearance would be called?
  - a. altostratus
  - b. altocumulus
  - c. cumulus
  - d. stratocumulus
  
5. A high level cloud that forms in a layer would be called?
  - a. cirrus
  - b. cirrocumulus
  - c. cirrostratus
  - d. altostratus
  
6. Sleet will typically occur to the north of a warm front. (TRUE, FALSE)
  
7. An east wind means that the air is moving from west to east. (TRUE, FALSE)

8. A west wind means that the air is moving from west to east. (TRUE, FALSE)
9. The force that results from the rotation of the earth is called the \_\_\_\_\_ force.
- a. pressure gradient
  - b. coriolis
  - c. frictional
  - d. convergence
10. The force that results from roughness of the earth's surface is called the \_\_\_\_\_ force.
- a. pressure gradient
  - b. coriolis
  - c. frictional
  - d. divergence
11. The force that results from equalizing pressure differences is called the \_\_\_\_\_ force.
- a. pressure gradient
  - b. coriolis
  - c. frictional
  - d. convergence
12. Air (diverges, converges) near high pressure and (diverges, converges) near low pressure.