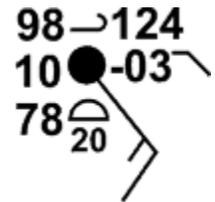


Synoptic Meteorology - Review Questions

- Which of the following is not required for precipitation?
 - condensation nuclei
 - a source of lift
 - moisture
 - southerly winds
- Sleet and freezing rain are caused by a cold layer of air aloft (TRUE, FALSE)?
- Which one of these clouds can produce heavy precipitation?
 - cumulonimbus
 - stratocumulus
 - altostratus
 - nimbostratus
- A mid-level cloud deck that has a heap-like appearance would be called?
 - altostratus
 - altocumulus
 - cumulus
 - stratocumulus
- A high level cloud that forms in a layer would be called?
 - cirrus
 - cirrocumulus
 - cirrostratus
 - altostratus
- Sleet will typically occur to the north of a warm front. (TRUE, FALSE)
- An east wind means that the air is moving from west to east. (TRUE, FALSE)
- The force that results from the rotation of the earth is called the _____ force.
 - pressure gradient
 - coriolis
 - frictional
 - convergence

Use the station plot, to the right, to answer questions 13 through 16.

- The temperature at the station is
 - 78°F
 - 98°F
 - 124°F
 - 78°C
- The dewpoint at the station is
 - 78°F
 - 98°F
 - 124°F
 - 78°C
- The pressure at the station is
 - 998 mb
 - 978 mb
 - 912.4 mb
 - 1012.4 mb



16. The wind direction and speed is

- a. southeast at 15 kt
- b. northwest at 10 kt
- c. southeast at 20 kt
- d. northwest at 15 kt

17. Which cloud is not a high level cloud?

- a. Cirrocumulus
- b. Cirrostratus
- c. Cirronimbus
- d. Cirrus

18. Which type of clouds is not a low level cloud?

- a. Cumulonimbus
- b. Cumulus
- c. Cirrocumulus
- d. Stratocumulus

19. Which type of cloud begins as a middle layer cloud, but as it develops, the base of the cloud lowers in the low-level clouds.

- a. Altostratus
- b. Stratus
- c. Cirrostratus
- d. Nimbostratus

20. Which type of cloud produces thunderstorms?

- a. Nimbostratus
- b. Cumulonimbus
- c. Nimbocumulus
- d. Altostratus