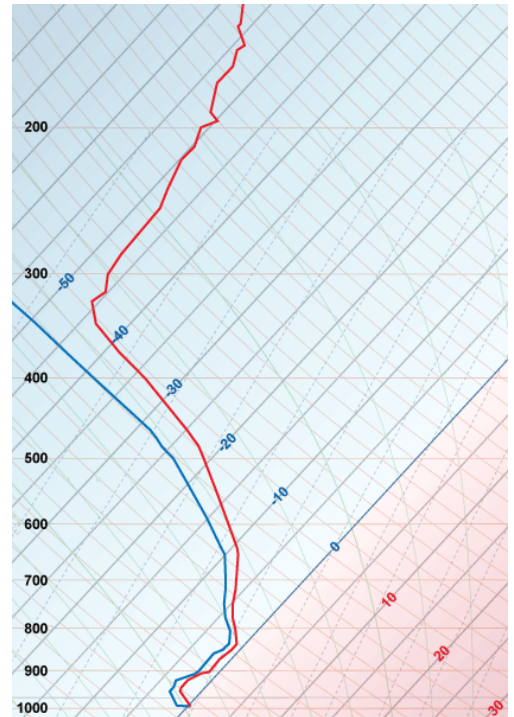




8. When the position of a radiosonde is tracked so that its altitude can be determined it is called a rawinsonde observation. (TRUE, FALSE)
9. If found, radiosondes should be...
- tossed in the garbage as they are of no use anymore.
  - recycled at your nearest recycling facility and help save the Earth.
  - reconditioned and used again saving the taxpayer some money.
  - returned to your local National Weather Service office for a small finder's fee.
10. Worldwide, most radiosonde observations are taken at...
- 00z and 12z weekly
  - 6 a.m. and 6 p.m. daily
  - 12 a.m. and 12 p.m. daily
  - 00z and 12z daily
11. While the radiosonde provides relative humidity during its flight, on the Skew-T diagram the value plotted is the \_\_\_\_\_ temperature.
- dew point
  - wet bulb
  - wet bulb depression
  - dew bulb
12. The tropopause is the boundary between the troposphere and stratosphere and is indicated on a Skew-T diagram by a large and deep increase in air temperature at the top of the sounding. (TRUE, FALSE)
13. As indicated on a Skew-T plot of a radiosonde observation, there may be several places where the air temperature remains the same or *increases* with height. These particular places are called temperature \_\_\_\_\_.
- inclusions
  - inversions
  - reversions
  - subversions
14. Temperatures need to be below freezing throughout the entire radiosonde sounding for freezing rain to develop. (TRUE, FALSE)

15. If there was precipitation falling with this type of sounding, the main precipitation type expected would be...
- snow
  - freezing rain
  - sleet
  - freezing drizzle



16. Stability indices are predictive in nature. (TRUE, FALSE)

17. In reference to severe weather, CAPE stands for...

- Convective Available Potential Energy
- Cumulonimbus Anvil Position Entropy
- Collective Available Positive Energy
- Convective Accessible Positive Energy

18. A CAPE greater than 4,000 means the atmosphere is extremely stable. (TRUE, FALSE)

19. When the temperature of a parcel of air becomes lower than the surrounding air the parcel's upward motion is \_\_\_\_\_.

- improved
- enhanced
- inhibited
- accelerated

20. Positive CAPE in the atmosphere at any particular level means that level is unstable. (TRUE, FALSE)