

29. High, thin, delicate clouds are called _____ clouds.
30. Whenever air masses flow together, _____ is said to occur.
31. A(n) _____, the common unit of heat energy, is the amount of heat required to raise the temperature of 1 gram of water 1°C.
32. Water in the liquid state below 0°C is referred to as _____ water.
33. The _____ is an instrument used to measure relative humidity.

Comprehensive Review

1. Using Figure 16.1, select the letter that indicates each of the following processes.

- | | |
|-----------------------|------------------------|
| a) Freezing: _____ | d) Melting: _____ |
| b) Evaporation: _____ | e) Sublimation: _____ |
| c) Deposition: _____ | f) Condensation: _____ |

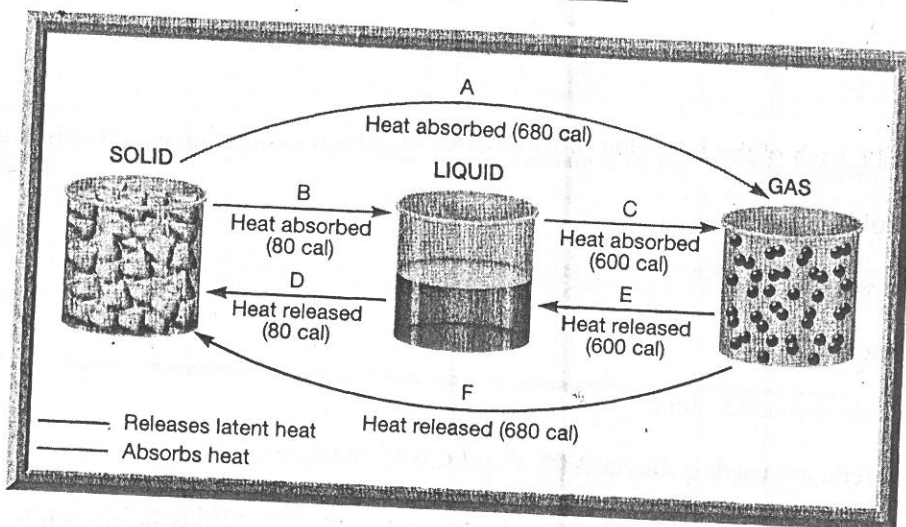


Figure 16.1

2. List two different ways that the relative humidity of a parcel of air can be increased.
 - 1)
 - 2)
3. Using Table 16.1 in the textbook, determine the relative humidity of a kilogram of air that has the following temperature and water-vapor content.
 - a) Temperature: 25°C; Water-vapor content: 5 grams/kilogram
 - b) Temperature: 41°F; Water-vapor content: 3 grams/kilogram