



## The Atmosphere - Review Questions

1. The gas which comprises most of the atmosphere is:
  - a. Oxygen
  - b. Carbon
  - c. Nitrogen
  - d. Helium
  
2. The layer of the atmosphere where most of the world's weather occurs is:
  - a. Stratosphere
  - b. Troposphere
  - c. Hemisphere
  - d. Thermosphere
  
3. The boundary between the troposphere and stratosphere is called the:
  - a. tropopause
  - b. stratopause
  - c. mesopause
  - d. tempopause
  
4. The tropopause is highest at the north and south poles. (TRUE, FALSE)
  
5. It is \_\_\_\_\_ (easier/harder) to breath on top of Mount Whitney (elevation 14,494 ft/4418 m) than at sea level because there is \_\_\_\_\_ (less/more) oxygen molecules at the summit.
  
6. Moist air weighs less than dry air. (TRUE, FALSE)
  
7. You notice on a barometer that air pressure has been decreasing rapidly. The type of weather that would normally be expected to occur would be:
  - a. Fog
  - b. Drizzle
  - c. Clear skies
  - d. Thunderstorms
  
8. If you feel the heat in the handle of a cooking pot, that heat was transferred to the handle by:
  - a. Radiation
  - b. Convection
  - c. Conduction

9. A sunburn is caused by which method of heat transfer:
- Radiation
  - Convection
  - Conduction
10. Light colored objects absorb radiation \_\_\_\_\_ (faster/slower) and emit radiation \_\_\_\_\_ (faster/slower) than dark colored objects.
11. At night, temperatures will normally be higher under cloudy skies than under clear skies. (TRUE, FALSE)
12. The hydrologic cycle is:
- Evaporation, condensation, precipitation
  - Convection, conduction, condensation
  - Rain, sunshine, condensation
13. The brief cloud that forms when you exhale on a cold winter day was formed because of:
- Evaporation
  - Condensation
  - Precipitation
  - Runoff
14. There is more water in the atmosphere than in glaciers & icecaps. (TRUE, FALSE)