

## True-False

- \_\_\_ 1. The sun's radiation is also referred to as shortwave radiation.
- \_\_\_ 2. Clouds are poor absorbers and emitters of infrared radiation.
- \_\_\_ 3. Only selective absorbers in the atmosphere emit radiation.
- \_\_\_ 4. A degree Fahrenheit is larger than a degree Celsius.
- \_\_\_ 5. On the average, about 50 percent of the solar radiation that strikes the outer atmosphere eventually reaches the earth's surface.
- \_\_\_ 6. An ultraviolet photon carries more energy than an infrared photon.
- \_\_\_ 7. Air is a poor conductor of heat.
- \_\_\_ 8. The earth's atmosphere behaves as a black body.
- \_\_\_ 9. On the average, each year the earth-atmosphere system sends off into space just as much energy as it receives.
- \_\_\_ 10. Sinking air always warms and rising air always cools.
- \_\_\_ 11. On the average, 75 percent of the sunlight that strikes water daily is reflected.
- \_\_\_ 12. Energy is the ability or capacity to do work.
- \_\_\_ 13. An increase in cloud cover around the earth would probably increase the albedo of the earth-atmosphere system.
- \_\_\_ 14. Air glow is another name for the aurora.
- \_\_\_ 15. The processes of condensation, freezing, and deposition all release sensible heat into the environment.
- \_\_\_ 16. An air temperature of  $0^{\circ}\text{K}$  would be the same as an air temperature of  $0^{\circ}\text{C}$ .
- \_\_\_ 17. In direct sunlight, an object with a high albedo appears darker than an object with a low albedo.
- \_\_\_ 18. The earth's radiative equilibrium temperature is lower than the earth's observed average surface temperature.
- \_\_\_ 19. UVB radiation is more likely to cause a sunburn than is UVA radiation.