1. In what portion of the electromagnetic spectrum does ozone absorb energy?
   
   Ultraviolet and Infrared

2. The ozone layer is at an altitude of approximately ___25___ km.

3. Warming in the stratosphere is mainly caused by: (1) absorption of ultraviolet radiation by ozone, (2) frictional heating caused by meteorites, (3) release of latent heat energy during condensation.

4. What has been the trend in levels of atmospheric ozone over the past 15 years?
   
   Decreasing in stratosphere, increasing in lower troposphere

5. What human-produced compounds lead to the destruction of ozone?
   
   CFCs

6. Where does the ozone hole form?
   
   Over Antarctica

7. At what time of the year does the ozone hole form?
   
   Austral spring (October)

8. With greenhouse gases at present-day levels, the globally averaged surface temperature on Earth is approximately ___15___ degrees Celsius.

9. What is the present-day concentration of atmospheric CO\textsubscript{2} in parts per million by volume (ppmv)? ___400 ppmv___

10. What was the pre-industrial concentration of atmospheric CO\textsubscript{2} in parts per million by volume (ppmv)? ___280 ppmv___

11. Over the past 100 years or so, it appears that average global temperatures have: (1) increased slightly (2) fluctuated widely but shown no overall change (3) decreased slightly (4) remained constant