1. What gas makes up the majority of the Earth’s atmosphere?
   a. Oxygen
   b. Carbon dioxide
   c. Argon
   d. Nitrogen

2. What might happen if the earth didn't have an atmosphere?
   a. Everything would go flying off into space.
   b. We wouldn't be able to breathe.
   c. The earth's rotation would stop.
   d. The seasons would be longer.

3. Place the following atmospheric layers in sequence, from lowest to highest: A) Exosphere; B) Stratosphere; C) Troposphere
   a. A, C, B
   b. B, A, C
   c. C, B, A
   d. C, A, B

4. Why is it difficult to breathe at high altitudes?
   a. Because you are closer to the sun the higher you go.
   b. Because atmospheric gases become thinner the higher you go.
   c. Because there is more carbon dioxide the higher you go.
   d. Because there is no oxygen in the troposphere.

5. If you wanted to fly through a cloud, which atmospheric layer would you fly through?
   a. The troposphere
   b. The mesosphere
   c. The ionosphere
   d. The exosphere

6. Which of the following is a true statement about the stratosphere?
   a. The temperature gets warmer the higher you go.
   b. The temperature gets colder the higher you go.
   c. There is more oxygen the higher you go.
   d. There is more carbon dioxide the higher you go.

7. Why is the ozone layer so important?
   a. Because it traps most of the sun's heat.
   b. Because it contains most of the earth's oxygen.
   c. Because it blocks harmful ultraviolet rays.
   d. Because it allows ultraviolet rays to warm the stratosphere.

8. Which term accurately describes the mesosphere?
   a. Extremely cold
   b. Extremely warm
   c. Extremely low
   d. Extremely high up

9. In the name "thermosphere," the prefix "thermo-" refers to what?
   a. Atmospheric gases
   b. Altitude
   c. Meteors
   d. Heat

10. Which region of the atmosphere is filled with charged particles?
    a. The troposphere
    b. The mesosphere
    c. The ionosphere
    d. The ozone layer