

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