

Composition of Atmosphere

1. What are the causes of carbobdioxide in the atmosphere?
 - A. Due to industrilization
 - B. Emission of GHGs from vehicals
 - C. Burning fossil fuel & Wood/Deforestation
 - D. All of them

2. How much percent of carbon dioxide is present in the atmosphere?
 - A. 0.05%
 - B. 0.09%
 - C. 0.03%
 - D. 0.07%

3. Increase in the volume of carbon dioxide for the past few decades is mainly due to
 - (a) deforestation.
 - (b) climate change.
 - (c) atmospheric composition.
 - (d) burning of fossil fuels.

4. What envelopes the earth all round?
 - (a) Hydrosphere
 - (b) Lithosphere
 - (c) Atmosphere
 - (d) Biosphere

5. Which gas is opaque to the outgoing terrestrial radiation?
 - (a) Dust Particles
 - (b) Ozone
 - (c) Carbon dioxide
 - (d) Water Vapour

6. The uppermost layer of the atmosphere is
 - (a) Mesosphere.
 - (b) Exosphere.
 - (c) Ionosphere.
 - (d) Stratosphere.

7. Excess carbon dioxide in the atmosphere due to pollution will cause
 - (a) Earth's temperature to rise.
 - (b) Earth's temperature to fall.
 - (c) Decrease in weather phenomenon.
 - (d) Ozone layer to become thicker.

8. Which zone separate the troposphere from stratosphere?

- (a) Mesopause.
- (b) Tropopause
- (c) Ionopause.
- (d) Stratopause.

9. Earth absorbs more

- (a) Humidity.
- (b) Heat.
- (c) Gases.
- (d) Water Vapour.

10. Which sphere lies above the stratosphere?

- (a) Mesosphere.
- (b) Exosphere.
- (c) Ionosphere.
- (d) None of the above.

11. Which of the following gases absorbs ultra violet rays?

- (a) Carbon Dioxide
- (b) Neon
- (c) Ozone
- (d) Nitrogen

12. Which one of the following gases constitute the major portion of atmosphere?

- (a) Oxygen
- (b) Nitrogen
- (c) Argon
- (d) Carbon dioxide

13. It is an element of atmosphere

- (a) Tides.
- (b) Pressure.
- (c) Water currents.
- (d) Waves.

14. The radiations that heat earth's atmosphere, comes from the

- (a) Sun
- (b) Earth
- (c) Ionosphere
- (d) Sun and Earth

15. By volume, dry air contains

- (A) 0.63% of argon
- (B) 0.73% of argon
- (C) 0.93% of argon
- (D) 1.53% of argon

16. The study of Earth's atmosphere and its processes is called

- (A) aerology
- (B) geology
- (C) meteorology
- (D) astronomy

17. The average temperature of the atmosphere at Earth's surface is

- (A) 10°C
- (B) 14°C
- (C) 20°C
- (D) 25°C

18. Which is the second most abundant gas in Earth's atmosphere?

- (A) Hydrogen
- (B) Oxygen
- (C) Nitrogen
- (D) Carbon di oxide

Atmospheric Layer and Ozone Layer

1. The atmosphere of earth is retained by

- (A) earth's gravity
- (B) earth's core
- (C) both (A) and (B)
- (D) none of the above

2-The atmosphere of Earth protects life on Earth

- (A) by creating pressure allowing for liquid water to exist on the earth's surface
- (B) by absorbing ultraviolet radiations
- (C) by warming the surface through greenhouse effect
- (D) all of the above

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4-The Karman line, the boundary between Earth's atmosphere and outer space, is at a height of

- (A) 50 km
- (B) 100 km
- (C) 150 km
- (D) 200 km

5-The Exosphere lies from

- (A) 12 to 50 km
- (B) 50 to 80 km
- (C) 80 to 700 km
- (D) 700 to 10,000 km

6-Which of the following are parts of an atmosphere

- (A) Troposphere
- (B) Stratosphere
- (C) Thermosphere
- (D) All of the above

7-Which of the following contains most of the satellites orbiting Earth

- (A) Troposphere
- (B) Stratosphere
- (C) Thermosphere
- (D) Exosphere

8-Following is also referred to as exobase.

- (A) Troposphere
- (B) Stratosphere
- (C) Thermosphere
- (D) Exosphere

9-The highest layer that can be accessed by jet powered aircraft.

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Thermosphere

10-Which of the following contains roughly 80% of the Earth's atmosphere

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Thermosphere

11-The ozone layer is contained within the

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Thermosphere

12. Which atmospheric layer contains Ions and helps in wireless communication?

- (A) Mesosphere
- (B) Thermosphere
- (C) Troposphere
- (D) Stratosphere

13. Which is the highest layer of the atmosphere in which Meteors burn up after entering Earth's atmosphere?

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Thermosphere

14. Which layer of atmosphere is used for telecommunication?

- (A) Troposphere
- (B) Thermosphere
- (C) Stratosphere
- (D) Ionosphere

15. Ozone depletion is greatest near:

- (A) tropics
- (B) equator
- (C) poles
- (D) oceans

16. The layer of very rare air above the mesosphere is called the _____.

- (A) troposphere
- (B) stratosphere
- (C) exosphere
- (D) thermosphere

Answers key

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1.(C) 2.(C) 3.(D) 4.(C) 5.(C) 6.(B) 7.(A) 8.(B) 9.(B) 10.(A)

11.(C) 12.(B) 13.(B) 14.(B) 15.(C) 16.(A) 17.(B) 18.(B)

Atmospheric Layer and Ozone Layer

1.(A)

2.(D)

3.(A)

4.(B)

5.(D)

6.(D)

7.(D)

8.(C)

9.(B)

10.(A)

11.(B)

12.(B)

13.(C)

14.(D)

15.(C)

16.(D)