

1: What surrounds the earth and provides the air we breathe?

- A) Hydrosphere
- B) Lithosphere
- C) Atmosphere
- D) Biosphere

2: Which gas makes up the bulk of the atmosphere?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen
- D) Hydrogen

3: What gas is primarily responsible for the greenhouse effect?

- A) Nitrogen
- B) Oxygen
- C) Carbon dioxide
- D) Ozone

4: How do plants obtain nitrogen for their survival?

- A) Directly from the air
- B) Through the roots with the help of bacteria
- C) Through photosynthesis
- D) From animals

5: What is the second most plentiful gas in the atmosphere?

- A) Carbon dioxide
- B) Nitrogen
- C) Oxygen
- D) Argon

6: What disrupts the balance of carbon dioxide in the atmosphere?

- A) Cutting trees
- B) Breathing of humans and animals
- C) Photosynthesis
- D) Burning of fuels such as coal and oil

7: What layer of the atmosphere is closest to the earth's surface?

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

8: Which layer of the atmosphere contains the ozone layer?

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

9: In which layer of the atmosphere do meteorites burn up?

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

10: Which layer of the atmosphere helps in radio transmission?

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

11: Which is the outermost layer of the atmosphere?

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

12: What is the term for the average weather condition of a place over a long period?

- A) Weather
- B) Climate
- C) Atmosphere
- D) Temperature

13: What is the degree of hotness and coldness of the air called?

- A) Pressure
- B) Humidity
- C) Temperature
- D) Climate

14: What influences the distribution of temperature on earth?

- A) Air pressure
- B) Wind
- C) Insolation
- D) Humidity

15: What happens to air pressure as we go up the layers of the atmosphere?

- A) Increases
- B) Decreases
- C) Remains the same
- D) Fluctuates

Q2. True/False

- When air is heated, it expands, becomes lighter and goes up.
- High pressure is associated with clear and sunny skies.
- All living beings on this earth depend on the atmosphere for their survival.
- Carbon dioxide is the most plentiful gas in the air.
- Green plants produce oxygen during photosynthesis.
- The air pressure is highest at sea level and decreased with height.

Q3. Label the diagram:

