

## Atmosphere

Sr	Questions	Answers Choice
1	Which statement about carbon dioxide is correct	<p>A. CO<sub>2</sub> is a greenhouse gas that absorbs infrared radiation</p> <p>B. CO<sub>2</sub> Destroys the ozone layer</p> <p>C. CO<sub>2</sub> is lighter than air and escapes to space</p> <p>D. CO<sub>2</sub> is the major component of the atmosphere</p>
2	Greenhouse gases cause global warming by	<p>A. By producing heat</p> <p>B. They trap the heat emitted by earth</p> <p>C. They are hot themselves</p> <p>D. None of these</p>
3	Water vapour in the atmosphere is important because it	<p>A. Is a greenhouse gas and essential for cloud formation</p> <p>B. Makes up most of the atmosphere's mass</p> <p>C. Is chemically inert and unimportant</p> <p>D. Absorbs all visible light</p>
4	Percentage of oxygen in atmosphere	<p>A. 78.09%</p> <p>B. 21.01%</p> <p>C. 0.04%</p> <p>D. 0.93%</p>
5	Temperature increases with altitude in which of the following layers.	<p>A. Troposphere only</p> <p>B. Stratosphere only</p> <p>C. Mesosphere only</p> <p>D. Troposphere and Mesosphere</p>
6	Weather events occur in which layer of atmosphere.	<p>A. Mesosphere</p> <p>B. Thermosphere</p> <p>C. Troposphere</p> <p>D. Stratosphere</p>
7	Ash from volcanic eruption is	<p>A. Primary Pollutant</p> <p>B. Secondary pollutant</p> <p>C. Tertiary pollutant</p> <p>D. None of these</p>
8	Primary pollutants are	<p>A. Emitted directly from sources into the atmosphere</p> <p>B. Formed in the atmosphere by reactions</p> <p>C. Only natural origin</p> <p>D. Harmless gases</p>
9	Which range of AQI is considered hazardous.	<p>A. 0-50</p> <p>B. 51 - 100</p> <p>C. 301 - 500</p> <p>D. 201 - 300</p>
10	Carbon monoxide is dangerous because it	<p>A. Is highly flammable only</p> <p>B. Reacts to produce ozone directly</p> <p>C. Is inert and harmless</p> <p>D. Binds with haemoglobin preventing oxygen transport</p>
11	Which gas causes yellow color in photochemical smog.	<p>A. NO<sub>2</sub></p> <p>B. CO</p> <p>C. SO<sub>3</sub></p> <p>D. SO<sub>2</sub></p>
12	Which smog type is associated with cold, stagnant air and coal combustion	<p>A. Industrial smog</p> <p>B. Photochemical smog</p> <p>C. Ozone smog only</p> <p>D. None of the above</p>
13	Primary pollutants like nitrogen oxide and volatile organic compounds react in the presence of sunlight to form a key component of photochemical smog, which is a.	<p>A. Primary pollutant</p> <p>B. Secondary Pollutant</p> <p>C. Naturally occurring atmospheric gas</p> <p>D. Harmless byproduct of combustion</p>

14	Which particulate matter size is considered the most harmful to human health.	<p>A. PM 2.5  B. PM 10.0  C. PM 5.0  D. PM 1.0</p>
15	Low altitude ozone is toxic above which concentration	<p>A. 100 ppm  B. At low concentration  C. 10 ppm  D. 20 ppm</p>
16	Which of the following would NOT improve a city's AQI in the short term.	<p>A. Reducing traffic emission  B. Temporarily banning burning of crop residues  C. Promoting public transport and carpooling  D. Increasing industrial emissions with no control devices</p>
17	Major source of NO <sub>x</sub> in the atmosphere is	<p>A. Photosynthesis  B. High temperature combustion in vehicles and power plants  C. Ocean evaporation  D. Volcanic ash only</p>
18	Which of the following is used in diesel engines to restrict emission of harmful gases.	<p>A. Selective catalytic converter  B. Catalytic converter  C. Scrubbers  D. Diesel particulate filter</p>
19	Carbon monoxide is dangerous because it	<p>A. Is highly flammable only  B. Reacts to produce ozone directly  C. Binds with haemoglobin preventing oxygen transport  D. Is inert and harmless</p>
20	Acid rain mainly results from atmospheric deposition of.	<p>A. H<sub>2</sub>O only  B. Ammonia only  C. Hydrochloric acid only  D. Nitric acid and sulfuric acid</p>