

Atmosphere

Sr	Questions	Answers Choice
1	A key component that distinguishes photochemical smog from industrial smog is the presence of	<p>A. High concentrations of sulfur dioxide</p> <p>B. A significant amount of ozone and other photochemical oxidants like PAN</p> <p>C. Reduced visibility due to fog and smoke particles</p> <p>D. Formation primarily during the early morning hours</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	Which of the following is a secondary pollutant.	<p>A. Sulphur dioxide</p> <p>B. Carbon monoxide</p> <p>C. Ground level ozone</p> <p>D. particulate matter emitted directly</p>
4	The depletion of Ozone in stratosphere region is mainly due to the reaction of O ₃ with	<p>A. CO₂</p> <p>B. SO₂</p> <p>C. CFCs</p> <p>D. O₂</p>
5	Which of the following lowers the air quality.	<p>A. Natural dust storms</p> <p>B. Rainfall</p> <p>C. Staying at home</p> <p>D. None of these</p>
6	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>
7	Weather events occur in which layers of atmosphere.	<p>A. Mesosphere</p> <p>B. Thermosphere</p> <p>C. Troposphere</p> <p>D. Stratosphere</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 of the following is a natural factor that can improve air quality.	<p>A. Wildfire</p> <p>B. Urbanization</p> <p>C. Rainfall</p> <p>D. Industrial emission</p>
10	NO ₂ in the atmosphere contributes to	<p>A. Acid rain formation and photochemical smog</p> <p>B. Ozone layer repair</p> <p>C. Designing greenhouse effect only</p> <p>D. Building of clouds only</p>
11	Major human sources of CO ₂ increase in atmosphere is	<p>A. Fossil fuel combustion and deforestation</p> <p>B. Photosynthesis</p> <p>C. Ocean uptake</p> <p>D. Nitrogen fixation</p>
12	Which is point source of pollution.	<p>A. Cars</p> <p>B. Factories</p> <p>C. Airplanes</p> <p>D. All of these</p>
13	Major source of NO _x in the atmosphere is.	<p>A. Photosynthesis</p> <p>B. High temperature combustion in vehicles and power plants</p> <p>C. Ocean evaporation</p>

D. Volcanic ash only

14 Which of the following is a heavy metal
A. Cadmium
B. Lead
C. Mercury
D. All of these

15 Which range of AQI is considered hazardous.
A. 0-50
B. 51 - 100
C. 301 - 500
D. 201 - 300

16 Acid rain is primarily caused by the release of which of the following gases into the atmosphere.
A. CO₂ and CH₄
B. SO₂ and NO₂
C. CFCs and halogens
D. O₃ and CO

17 How do NO_x emissions effect human health primarily.
A. Cause tooth decay
B. Irritate respiratory system and reduce lung function
C. Cause immediate blindness
D. Improve air quality

18 Carbon monoxide is dangerous because it
A. Is highly flammable only
B. Reacts to produce ozone directly
C. Is inert and harmless
D. Binds with haemoglobin preventing oxygen transport

19 Ash from volcanic eruption is
A. Primary Pollutant
B. Secondary pollutant
C. Tertiary pollutant
D. None of these

20 The chemical species responsible for ozone depletion by chlorofluorcarbons is.
A. Chloride free radical
B. CFC molecule itself
C. UV rays
D. Organic compounds