

NAME:		ROLL NO:		TIME:	15: MIN
SUB:	Chemistry	Date:		CLASS:	1 st Year
SYLLABUS	Chp. 14 (Atmosphere)	T. MARKS	11	OBT. M	

Q. 1 Choose the Correct Answer. Cutting, Erasing, Double Selection is Strictly Prohibited. (1x11=11)

- Which gas causes yellow color in photochemical smog?**
(A) CO (B) SO₃ (C) NO₂ (D) SO₂
- The depletion of ozone in stratosphere region is mainly due to the reaction of O₃ with:**
(A) CO₂ (B) SO₂ (C) O₂ (D) CFC_s
- Which particulate matter size is considered the most harmful to human health?**
(A) PM 10.0 (B) PM 5.0 (C) PM 2.5 (D) PM 1.0
- Which of the following is a natural factor that can improve air quantity?**
(A) Wildfire (B) Urbanization (C) Rainfall (D) Industrial emission
- What is a common human activity that led to increased level of carbon monoxide in the atmosphere?**
(A) Tree planting (B) Gasoline driven vehicles
(C) Using electric appliances (D) Solar panel installation
- Chlorofluorocarbons (CFC_s) have been primarily used in:**
(A) Fertilizers (B) Refrigerants and aerosol propellants
(C) Pharmaceuticals (D) Pesticides
- What are the primary chemical process that removes carbon dioxide from the atmosphere?**
(A) Combustion (B) Photosynthesis (C) Respiration (D) Volcanic activity
- An AQI value between 51 and 100 typically indicates which level of air quality?**
(A) Good (B) Moderate (C) Unhealthy (D) Fatal
- Acid rain is primarily caused by the release of which of the following gases into the atmosphere?**
(A) Carbon dioxide (CO₂) and methane (CH₄)
(B) Sulfur dioxide (SO₂) and nitrogen oxides (NO_x)
(C) Chlorofluorocarbons (CFC_s) and halons
(D) Ozone (O₃) and carbon monoxide (CO)
- In the presence of sunlight and nitrogen oxides (NO_x) VOC_s can contribute to the formation of:**
(A) Acid rain (B) Ozone depletion
(C) Photochemical smog (D) Greenhouse gases
- Primary pollutants like nitrogen oxides (NO_x) and volatile organic compounds (VOC_s) react in the presence of sunlight to form a key component of photochemical smog, which is a :**
(A) Primary pollutant (B) Secondary pollutant.
(C) Naturally occurring atmosphere gas. (D) Harmless byproduct of combustion.



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1ST YEAR SOLVED EXERCISE MCQs



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Answer Key

1	C	2	D	3	C	4	C
5	B	6	B	7	B	8	B
9	B	10	C	11	B		