DPP
DAILY PRACTICE PROBLEMS

Class : XIth
Date :

Solutions

Subject : CHEMISTRY
DPP No. : 1

Topic :- Environmental Chemistry

1 **(c)**
NO, NO_2, SO_2 and SO_3 are responsible for smog (environmental pollution).

2 **(c)**
In troposphere, as we move towards the altitude, the density and pressure of air decreases. Due to which temperature also decreases

4 **(c)**
Oxygen gas does not absorb I.R. radiation of high wavelengths reflected back by earth, hence it does not cause 'green house effect'.

6 **(c)**
SO_2 affects larynx, between SO_2 and SO_3, SO_3 is more harmful air pollutant and between NO_2 and NO, NO_2 is more toxic. Photochemical smog is caused by oxides of nitrogen

9 **(d)**
When climate is warm, dry and sunny, the oxides of nitrogen and unsaturated hydrocarbons are converted in the components such as PAN, formaldehyde which form photochemical smog, by the action of sunlight

11 **(c)**
One chlorine free radical can convert about one lakh ozone molecules into oxygen

12 **(c)**
Chlorofluorocarbon is used in air conditioning and in domestic refrigerators for cooling purposes. Its main drawback in this, it is responsible for ozone depletion.

13 **(b)**
We know that,
$O_3 + CCl_2F_2 \rightarrow 2OCl + F_2O$. Thus, in this reaction OCl is produced.

20 **(c)**
The average residence time of NO is 4 days

ANSWER-KEY										
Q.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
A.	**C**	**C**	**A**	**C**	**B**	**C**	**A**	**C**	**D**	**A**
Q.	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
A.	**C**	**C**	**B**	**C**	**D**	**B**	**D**	**B**	**D**	**C**