

Date Planned : __ / __ / __	Daily Tutorial Sheet-1	Expected Duration : 90 Min
Actual Date of Attempt : __ / __ / __	JEE Main (Archive)	Exact Duration : _____

- When rain is accompanied by a thunderstorm, the collected rain water will have a pH value : **(2003)**
 (A) which depends upon the amount of dust in air
 (B) slightly lower than that when rain water without thunderstorm
 (C) slightly higher than that when the thunderstorm is not there
 (D) uninfluenced by occurrence of thunderstorm
- Smog is essentially caused by the presence of : **(2004)**
 (A) O_3 and N_2 (B) O_2 and N_2
 (C) oxides of Sulphur and N_2 (D) O_2 and O_3
- Identify the wrong statement among the following : **(2008)**
 (A) chlorofluorocarbons are responsible for ozone layer depletion
 (B) greenhouse effect is responsible for global warming
 (C) ozone layer does not permit infrared radiation from the sun to reach the earth.
 (D) acid rain is mostly because of oxides of nitrogen and sulphur
- Which one of the following statement is not true ? **(2011)**
 (A) oxides of sulphur, nitrogen and carbon are the most widespread air pollutant.
 (B) pH of drinking water should be between 5.5 and 9.5
 (C) concentration of BOD below 6 ppm is good for the growth of fish
 (D) clean water would have a BOD value of less than 5 ppm
- Which one of the following statements regarding photo-chemical smog is not correct ? **(2012)**
 (A) photochemical smog is formed through photochemical reaction involving solar energy
 (B) photochemical smog does not cause irritation in eyes and throat
 (C) carbon monoxide does not play any role in photochemical smog reaction
 (D) photochemical smog is an oxidizing agent in character
- The gas leaked from a storage tank of the Union Carbide plant in Bhopal gas tragedy was : **(2013)**
 (A) ammonia (B) phosgene
 (C) methylisocyanate (D) methylamine
- Photochemical smog consists of excessive amount of X, in addition to aldehydes, ketones, peroxy acetyl nitrile (PAN), and so forth. X is : **(2015)**
 (A) CH_4 (B) CO (C) CO_2 (D) O_3
- Addition of phosphate fertilizer to water bodies causes : **(2015)**
 (A) Enhanced growth of algae (B) Increase in amount of dissolved oxygen in water
 (C) Deposition of calcium phosphate (D) Increase in fish population
- The concentration of fluoride, lead, nitrate and iron in a water sample from an underground lake was found to be 1000 ppb, 40 ppb, 100 ppm and 0.2 ppm, respectively. This water is unsuitable for drinking due to high concentration of : **(2016)**
 (A) Lead (B) Nitrate (C) Iron (D) Fluoride
- BOD stands for : **(2016)**
 (A) Biological Oxygen Demand (B) Bacterial Oxidation Demand
 (C) Biochemical Oxygen Demand (D) Biochemical Oxidation Demand