



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## **WORKSHEET-48(CLASS-11)**

### **TOPIC- ENVIRONMENTAL CHEMISTRY**



**SUBJECT – CHEMISTRY**

**DURATION – 30 mins**

**F.M. - 15**

**DATE – 16.11.20**

**1. Photochemical smog normally does not contain**

- (a) Chlorofluorocarbons
- (b) Peroxyacetyl nitrate
- (c) Ozone
- (d) Acrolein

**2. Depletion of the ozone layer is caused due to**

- (a) Ferrocene
- (b) Fullerenes
- (c) Freons
- (d) Polyhalogens

**3. Find the incorrect statement**

- (a) BOD value of clean water is less than 5 ppm
- (b) Drinking water pH should be between 5.5-9.5
- (c) carbon, sulphur and nitrogen oxides are the most widespread air pollutants
- (d) dissolved oxygen concentration below 5 ppm is ideal for the growth of fish

**4. Find the secondary pollutant among these**

- (a) PAN
- (b)  $N_2O$
- (c)  $SO_2$
- (d)  $CO_2$

**5. The reaction responsible for the radiant energy of the Sun is**

- (a) nuclear fission
- (b) nuclear fusion
- (c) chemical reaction

(d) combustion

**6. Alum's capacity to purify water is due to**

(a) softens hard water

(b) pathogenic bacteria get destroyed

(c) impurities' coagulation

(d) it improves taste

**7. The coldest region of the atmosphere**

(a) Troposphere

(b) Thermosphere

(c) Stratosphere

(d) Mesosphere

**8. Which of the oxide of nitrogen is not a common pollutant?**

(a)  $\text{N}_2\text{O}_5$

(b)  $\text{N}_2\text{O}$

(c) NO

(d)  $\text{NO}_2$

**9. The compound essential for the process of photosynthesis has this element**

(a) Ca

(b) Ba

(c) Fe

(d) Mg

**10. In the air,  $\text{N}_2$  and  $\text{O}_2$  occur naturally but they do not react to form oxides of nitrogen because**

(a) oxides of nitrogen are unstable

(b) catalyst is required for the reaction

(c) the reaction is endothermic

(d)  $\text{N}_2$  and  $\text{O}_2$  do not react with each other

**11. Which of the following is not a condition for the formation of smog?**

a. Sufficient NO

b. Sunlight

c. Less movement of air

d. Winds

**12. Incineration of municipal waste is carried out in the temperature range of**

- a. 250 to 500°C
- b. 500 to 900°C
- c. 950 to 1300°C
- d. 900 to 1000°C

**13. In which of the following layer of atmosphere there is more thickness of the ozone layer?**

- a. Troposphere
- b. Stratosphere
- c. Mesosphere
- d. Photosphere

**14. Which of the following is not a primary pollutant**

- a.  $\text{SO}_3$
- b. CO
- c. NO
- d.  $\text{H}_2\text{SO}_4$

**15. Which of the following air pollutants is more dangerous for the ozone layer?**

- a. CFC
- b.  $\text{CO}_2$
- c. CO
- d. Oxides of nitrogen

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