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الـملف Worksheet about Environmental chemistry

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Unit 15 Environmental Chemistry

Choose the best answer.

1. The gaseous envelope around the earth is known as atmosphere. The region lying between an altitudes of 11-50 km is _____
a) Troposphere b) Mesosphere
c) Thermosphere d) stratosphere
2. Which of the following is natural and human disturbance in ecology?
a) Forest fire b) Floods
c) Acid rain d) Green house effect
3. Bhopal Gas Tragedy is a case of _____
a) thermal pollution
b) air pollution
c) nuclear pollution
d) land pollution
4. Haemoglobin of the blood forms carboxy haemoglobin with
a) Carbon dioxide
b) Carbon tetra chloride
c) Carbon monoxide
d) Carbonic acid

5. Which sequence for green house gases is based on GWP?
- a) $\text{CFC} > \text{N}_2\text{O} > \text{CO}_2 > \text{CH}_4$
 - b) $\text{CFC} > \text{CO}_2 > \text{N}_2\text{O} > \text{CH}_4$
 - c) $\text{CFC} > \text{N}_2\text{O} > \text{CH}_4 > \text{CO}_2$
 - d) $\text{CFC} > \text{CH}_4 > \text{N}_2\text{O} > \text{CO}_2$
6. Photo chemical smog formed in congested metropolitan cities mainly consists of
- a) Ozone, SO_2 and hydrocarbons
 - b) Ozone, PAN and NO_2
 - c) PAN, smoke and SO_2
 - d) Hydrocarbons, SO_2 and CO_2
7. The pH of normal rain water is
- a) 6.5 b) 7.5
 - c) 5.6 d) 4.6
8. Ozone depletion will cause
- a) forest fires
 - b) eutrophication
 - c) bio magnification
 - d) global warming
9. Identify the wrong statement in the following
- a) The clean water would have a BOD value of more than 5 ppm
 - b) Greenhouse effect is also called as Global warming
 - c) Minute solid particles in air is known as particulate pollutants
 - d) Biosphere is the protective blanket of gases surrounding the earth

10. Living in the atmosphere of CO is dangerous because it
- Combines with O_2 present inside to form CO_2
 - Reduces organic matter of tissues
 - Combines with haemoglobin and makes it incapable to absorb oxygen
 - Diluted the blood
11. Release of oxides of nitrogen and hydrocarbons into the atmosphere by motor vehicles is prevented by using _____
- grit chamber
 - scrubbers
 - trickling filters
 - catalytic convertors
12. Biochemical oxygen Demand value less than 5 ppm indicates a water sample to be
- highly polluted
 - poor in dissolved oxygen
 - rich in dissolved oxygen
 - low COD
13. Match the List I with List II and select the correct answer using the code given below the lists

| List I | | List II | |
|--------|--------------------------|---------|--------|
| A | Depletion of ozone layer | 1 | CO_2 |
| B | Acid rain | 2 | NO |
| C | Photochemical smog | 3 | SO_2 |
| D | Green house effect | 4 | CFC |

Code:

| | A | B | C | D |
|---|---|---|---|---|
| a | 3 | 4 | 1 | 2 |
| b | 2 | 1 | 4 | 3 |
| c | 4 | 3 | 2 | 1 |
| d | 2 | 4 | 1 | 3 |

14.

| List I | | List II | |
|--------|------------------------------|---------|-------------------|
| A | Stone leprosy | 1 | CO |
| B | Biological magnification | 2 | Green house gases |
| C | Global warming | 3 | Acid rain |
| D | Combination with haemoglobin | 4 | DDT |

15. **Assertion (A):** If BOD level of water in a reservoir is more than 5 ppm it is highly polluted

Reason(R) : High biological oxygen demand means high activity of bacteria in water

- a) Both (A) and R are correct and (R) is the correct explanation of (A)
- b) Both (A) and R are correct and (R) is not the correct explanation of (A)
- c) Both (A) and R are not correct
- d) (A) is correct but(R) is not correct

16. **Assertion (A):** Excessive use of chlorinated pesticide causes soil and water pollution.

Reason (R) : Such pesticides are non-biodegradable.

- a) Both (A) and R are correct and (R) is the correct explanation of (A)
- b) Both (A) and R are correct and (R) is not the correct explanation of (A)
- c) Both (A) and R are not correct
- d) (A) is correct but(R) is not correct

17. **Assertion (A):** Oxygen plays a key role in the troposphere

Reason (R): Troposphere is not responsible for all biological activities

- a) Both (A) and R are correct and (R) is the correct explanation of (A)
- b) Both (A) and R are correct and (R) is not the correct explanation of (A)
- c) Both (A) and R are not correct
- d) (A) is correct but(R) is not correct