

## UNSOLVED QUESTIONS

1. Why is oxygen called active air?
2. Carbon dioxide plays no role in respiration but all life would come to an end if there were no carbon dioxide in air. Support this statement with relevant facts.
3. Explain the role of moisture in modifying the earth's climate.
4. What is air pollution?
5. What are the causes of air pollution?
6. Photosynthesis is a natural process for reducing air pollution.
7. A glowing splinter rekindles when introduced in a jar of oxygen and a moist blue litmus paper shows no change when placed in a test tube containing oxygen gas.
8. An oxy-hydrogen flame is used for welding and cutting metals.
9. Patients suffering from respiratory problems are kept in an oxygen tent.
10. A product formed during the burning of a candle turns white anhydrous copper sulphate blue. Tick (V) the most appropriate answer.
11. The catalyst used in preparation of oxygen from hydrogen peroxide is
  - (a) magnesium oxide
  - (b) manganese oxide
  - (c) manganese dioxide
  - (d) manganese chloride
12. Sodium burns in oxygen with a
  - (a) golden yellow flame
  - (b) brick red flame
  - (c) green flame
  - (d) blue flame
13. The gas evolved by the action of hydrochloric acid on marble chips is
  - (a) nitrogen
  - (b) carbon dioxide
  - (c) oxygen
  - (d) sulphur dioxide
14. Write the uses of the following.
  1. Dry ice
  2. Noble gases
15. Write the uses of the following.
  1. Nitrogen
  2. Oxygen
  3. Catalytic converter