

DELHI PUBLIC SCHOLL RUBY PARK KOLKATA  
Final Term Revision Questions  
Chemistry  
Class VI (2017-18)

Separation of Mixtures

1. Differentiate between mixtures and compounds.
2. Mention any two reasons why we need to separate the components of a mixture.
3. Mention the method most suitable for the separation of the components of the following mixtures:
  - a. liquid-liquid mixtures in which the components are immiscible in each other.
  - b. a component having magnetic properties.
  - c. solid-solid mixture of different sized components.
  - d. one component is a subsumable solid.
4. How do we classify matter?

Elements, Compounds and Mixtures

1. What is the periodic table of the elements?
2. What is an atom and how is it represented?
3. What is atomicity? Mention the atomicity of the following elements:
  - a. Oxygen
  - b. Magnesium
  - c. Lead
  - d. Nitrogen
4. Define the term molecule.
5. What is the information necessary to write the formula of a compound?
6. Differentiate between elements and compounds.

Air

1. Why do deep sea divers carry oxygen cylinders?
2. Explain how nitrogen is utilized by plants.
3. What is the impact of the presence of Nitrogen and Oxygen in the atmosphere in the proportion of 4:1?
4. What are the main products of respiration in humans? Why is respiration considered as oxidation?
5. How can you prove that air has mass?
6. How does Carbon dioxide in the atmosphere contribute to warming of the earth's environment?
7. Name any two solid particles present in the atmosphere which contribute to pollution.
8. What is the utility of water vapor present in the atmosphere?
9. Why do we say that the composition of the air is not fixed? Give examples.
10. What is the importance of the presence of air in the soil?
11. How is the Carbon dioxide- Oxygen balance in the atmosphere maintained?
12. Describe an experiment to show that air supports burning.