



Provincial Department of Education – Sabaragamuwa - Week School

Subject: Science

Week – October I

Grade: 10

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## Changes in Matter

1. What is meant by Activity Series?
2. Write five uses of Activity Series.
3. What are the raw materials use in blast furnace to extract iron?
4. Write down the 6 reactions with the word equations which occur in blast furnace.
5. Briefly explain the method of extracting gold.
6. (I) Draw and label the set up to show the preparation of hydrogen gas in the laboratory.  
(II) Name the reactants use in above method.  
(III) Write down the balanced equation for it.
7. (I) Draw and label the set up to show the preparation of oxygen gas in the laboratory.  
(II) Name the reactants use in the above.  
(III) Write down the balanced equation of it.
8. ( I) Draw and label the set up used to prepare carbon dioxide in the laboratory.  
(II) Name reactants used for it.  
(III) Write the balanced equation for that.
9. Write down following criteria of the above three gases separately.
  - I) Physical properties.
  - II) Chemical properties.
  - II) Uses.
  - IV) Methods to identify.
10. Make a creative short note including the factors that you have learnt in the lesson “Changes in Matter” up to now.