



INDIAN SCHOOL AL WADI AL KABIR

Class X	Department of Science 2020-2021 SUBJECT : CHEMISTRY	
Work sheet No.: 03 Only Answers	Chapter: Chemical reactions and Equations	Note: A4 File format
Name of the student:	Class & Section:	Roll No.

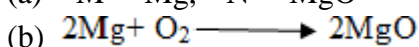
Objective type Questions (1 mark)

- (a) Decomposition and redox
- (d) 4

Three marks type Questions

3. A shining metal 'M' on burning gives a dazzling white flame and changes to a white powder 'N'.

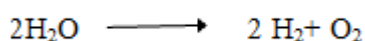
(a) 'M' - Mg, 'N' - MgO



(c) M undergoes oxidation as it gains oxygen

4. In the electrolysis of water,

(a) The gas liberated at the anode - Oxygen;
Gas liberated at the cathode - Hydrogen



(b) According to the balanced equation, the ratio of Hydrogen to Oxygen is 2:1

(c) The water will not conduct electricity; therefore, electrolysis would not happen.

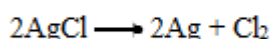
5.

(a) Displacement reaction as Al displaces Fe from its compound

(b) Double displacement reactions as there is exchange of ions

(c) Decomposition reaction as there is a single reactant that gets decomposed to two products

6. White coloured Silver chloride changes into grey coloured Silver.

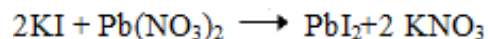


Decomposition reaction

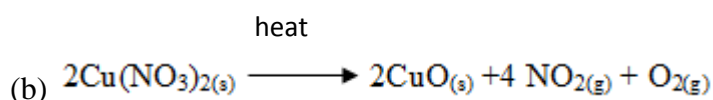
7. (a) Double displacement reaction



(a) Double displacement reaction



8. (a) Decomposition reaction and Nitrogen dioxide gas



(c) Below 7

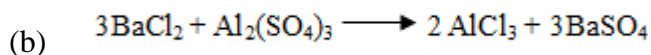
9. (a)

(i) Double displacement reactions

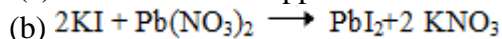
(ii) Combination reaction

(iii) Decomposition reaction

(iv) Single displacement reaction



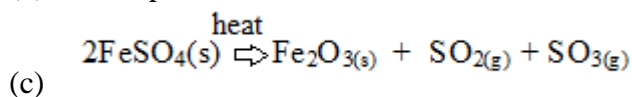
10. (a) Yellow coloured pp. Lead iodide



(c) Double displacement reaction and precipitation reaction

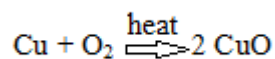
11. (a) Green coloured crystals become yellowish brown coloured solid, suffocating smell of gases detected

(b) Decomposition reaction



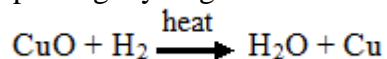
12. (a) Copper got oxidised on heating with Oxygen and black colored Copper oxide is formed.

(b) Copper oxide



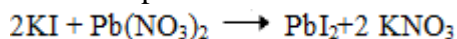
(c)

(d) On passing Hydrogen over heated CuO



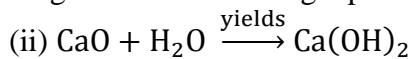
Five marks type Questions

13. (a) The reaction in which the exchange of ions takes place is called a double displacement reaction.



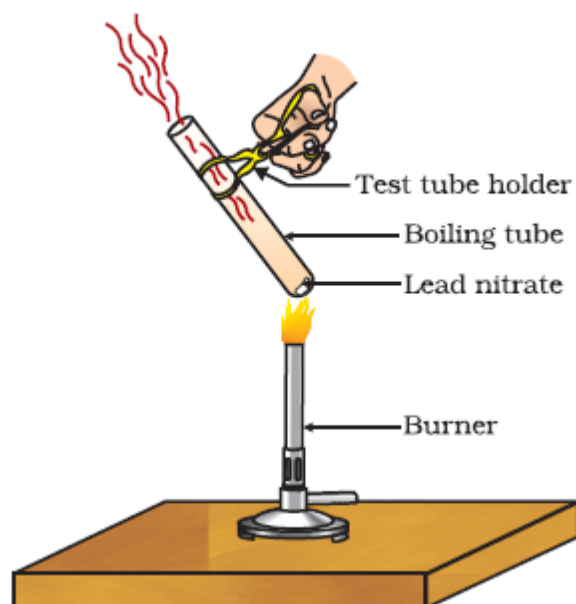
(b) A small amount of quick lime is added to water in a beaker.

(i) Combination reaction. The reaction in which two or more reacts combine together to form a single product is called the combination reaction.

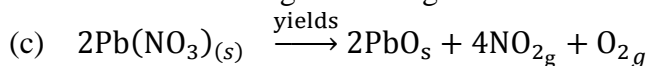


(iii) A white mass is produced; heat is observed.

14. (a) In a dry test-tube a small amount of Lead nitrate is transferred and heated strongly. The changes are observed carefully. The white coloured Lead nitrate changes into yellow solid Lead oxide, brown coloured Nitrogen dioxide is given out. If a glowing splinter is brought near the test tube, the flame gets rekindled. This shows the presence of Oxygen gas.



(b) Yellow coloured solid is obtained – Lead oxide
Brown coloured gas – Nitrogen dioxide is obtained.



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CHECKED BY : HOD - SCIENCE