



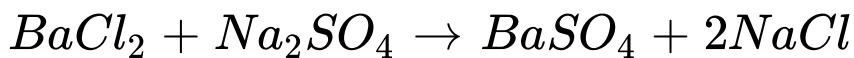
CHEMISTRY

NCERT - NCERT CHEMISTRY(GUJRATI ENGLISH)

ATOMS, MOLECULES AND CHEMICAL REACTIONS

Multiple Choice Questions

1. The chemical equation



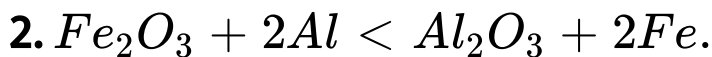
represents following type of chemical reaction.

- A. displacement
- B. Carbon is oxidized
- C. combination
- D. decomposition

Answer: A::B::C::D



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The above reaction is an example of

- A. Combination reaction
- B. Decomposition reaction
- C. Displacement reaction
- D. Double decomposition reaction

Answer:



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3. What happens when dil. hydrochloric acid is added to iron filings? Choose the correct answer

A. Hydrogen gas and iron chloride are produced.

B. Chlorine gas and iron hydroxide are produced

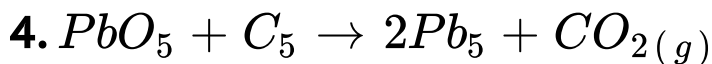
C. No reaction takes place.

D. Iron salt and water are produced.

Answer:



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Which of the following statements are correct for the above chemical reaction?

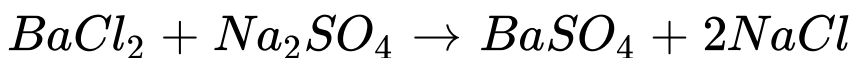
- A. Lead oxide is reduced
- B. Carbon dioxide is oxidized
- C. Carbon is oxidized
- D. (a) and (c) are correct

Answer:



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5. The chemical equation



represents following type of chemical reaction.

- A. displacement
- B. Carbon is oxidized
- C. combination
- D. decomposition

Answer: A::B::C::D



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6. The reaction of formation hydrogen chloride from hydrogen and chloride represents following type of chemical reaction

A. decomposition

B. displacement

C. combination

D. double-displacement

Answer:



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Think And Discuss

1. Do you get the same result if the conical flask is not closed?



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Let Us Improve Our Learning Reflection On Concepts

1. In a class, a teacher asked students to write the molecular formula of oxygen. Shamita wrote the formula as O_2 and Priyanka as O . Which one is correct? State the reason. (AS-1)



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2. Lakshmi gives a statement "CO and Co both represent element". Is it correct? State reason. (AS-1)



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3. Find out the chemical names and formulae for the following common household substances. (AS-1)

A. common salt

B. baking soda

C. washing soda

D. vinegar

Answer:



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4. Calculate the mass of the following (AS-1)

A. 0.5 mole of N_2 gas

B. 0.5 mole of N atoms.

C. 3.011×10^{23} Number of N atoms.

D. 6.022×10^{23} Number of N_2 molecules.

Answer:



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5. Convert into mole (AS-1)

A. 12g of O_2 gas.

B. 20 g of water

C. 22g of carbon dioxide.

D.

Answer:



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6. Write the valencies of Fe in $FeCl_3$ (AS-1)



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7. Calculate the molar mass of Sulphuric acid (H_2SO_4) and glucose ($C_6H_{12}O_6$) (AS-1)



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8. Which has more number of atoms-100 g of sodium or 100g of iron? Justify your answer.

atomic mass of sodium=23u ,atomic mass of iron=56u) (AS-1)



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9. Name the reactions taking place in the presence of sunlight? (AS-1)



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10. Give two examples for oxidation-reduction reaction. (AS-6)



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11. In the refining of silver, the recovery of silver from silver nitrate solution involved displacement by copper metal. Write the reaction involved. (AS-1)



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Let Us Improve Our Learning Higher Order Thinking Questions

1. 15.9g. of copper sulphate and 10.6g of sodium carbonate react together to give 14.2g of sodium sulphate and 12.3g of copper carbonate. Which law of chemical combination is obeyed? How? (AS-1)



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