

Name : ----- Date : -----

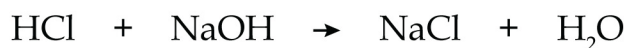
Score : -----



LAW OF CONSERVATION OF MASS QUESTIONS



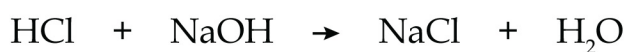
1. The masses of the reactants and products of the following reaction are given.
Answer the questions below.



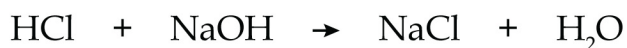
Mass 36g 40g 58g 18g

- i) What is the total mass of the reactants? _____
- ii) What is the total mass of the products? _____
- iii) Are the two values the same? _____
- iv) Does this data verify the law of conservation of mass? If so, why?

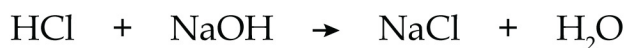
2. Using the law of conservation of mass, determine the missing mass values.



Mass 50g 65g 100g _____



Mass 20g _____ 30g 15g



Mass 30g 40g _____ 14g

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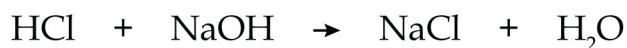


LAW OF CONSERVATION OF MASS QUESTIONS



Answers

1.



Mass 36g 40g 58g 18g

i) What is the total mass of the reactants? 76g

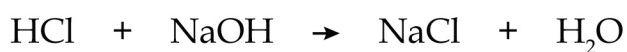
ii) What is the total mass of the products? 76g

iii) Are the two values the same? Yes

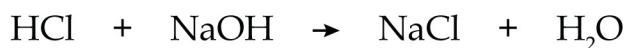
iv) Does this data verify the law of conservation of mass? If so, why?

Yes, the reaction confirms the law of conservation of mass. This is because the mass of the reactants is the same as the mass of the products.

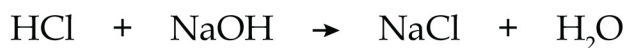
2.



Mass 50g 65g 100g 15g



Mass 20g 25g 30g 15g



Mass 30g 40g 56g 14g