

Reactions

4. Types of Reaction

CONCEPT 3

TEST YOURSELF

CONSERVATION OF MASS

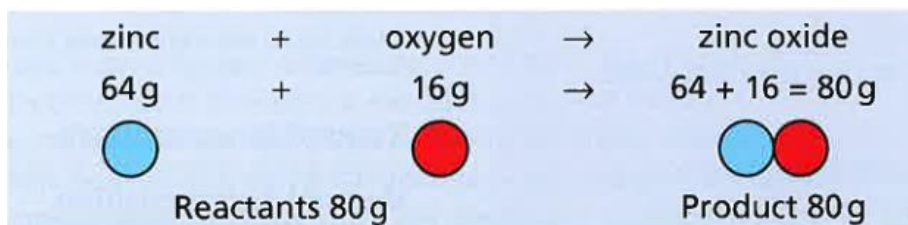
KNOW

Q1 If 15g of juice is frozen, what will the mass be of the frozen juice?

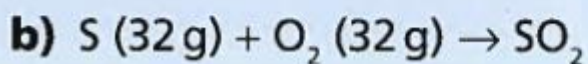
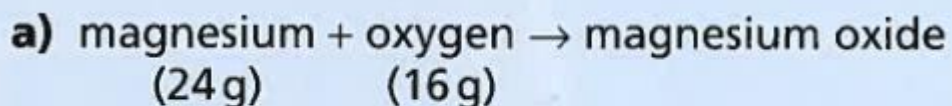
Q2 Explain why melting does not cause a change in mass.

APPLY

Q3 How does the particle model in the diagram below help to show the conservation of mass?

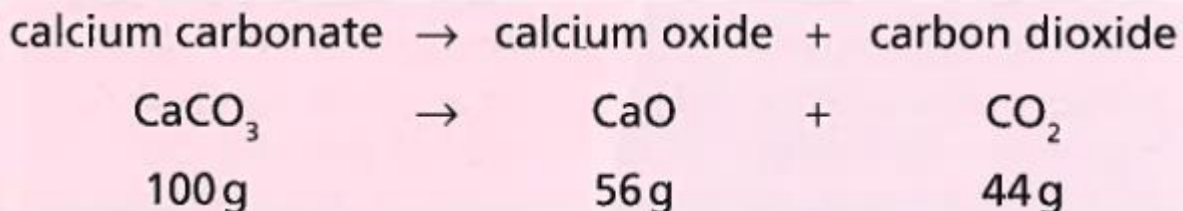


Q4 Calculate the mass of the products in these reactions.



EXTEND

Q5 Use the equation to explain the conservation of mass for the thermal decomposition of calcium carbonate.



Q6 If the gas could escape, what would the start and end mass be for this reaction?