

Name:

Date:

Reacting Masses - 2

GCSE CHEMISTRY

Mark

Grade

Materials

For this paper you must have:

- Ruler
- Pencil and Rubber
- Scientific calculator, which you are expected to use when appropriate

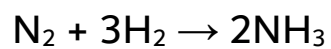
Instructions

- Answer all questions
- Answer questions in the space provided
- All working must be shown

Information

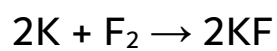
- The marks for the questions are shown in brackets

1. Calculate the mass of nitrogen that reacts with 30 g of hydrogen.



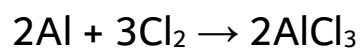
Answer:

2. Calculate the mass of fluorine that reacts with 3.9 g of potassium.



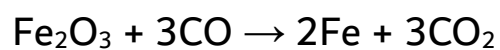
Answer:

3. What mass of chlorine reacts with 8.1 g of aluminum?



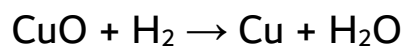
Answer:

4. What mass of iron can be made from 20 kg of iron(III) oxide?



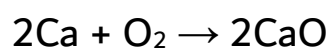
Answer:

5. What mass of hydrogen is needed to react with 31.8 mg of copper(II) oxide?



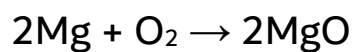
Answer:

6. Calculate the mass of calcium that can react with 40 g of oxygen.



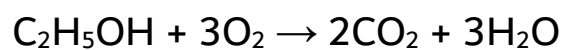
Answer:

7. Calculate the mass of oxygen needed to react 9.60 g of magnesium to form magnesium oxide.



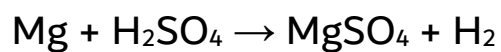
Answer:

8. What mass of ethanol could burn in 100 g of oxygen?



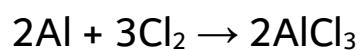
Answer:

9. What mass of hydrogen is formed when 2.00 g of magnesium reacts with sulfuric acid?



Answer:

10. What mass of aluminium reacts with 50.0 g of chlorine to form aluminium chloride?



Answer: