

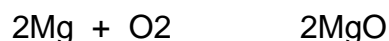
Reacting masses - answers

1. A chemical reaction was carried out to convert 1.27g of copper oxide to copper metal using hydrogen gas. Calculate the mass of copper formed.



1.06g

2. A student burned 1.68g of magnesium in air. Calculate the mass of magnesium oxide formed.



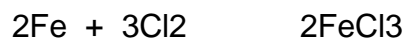
2.78g

3. Sodium hydrogen carbonate decomposes when heated. If 4.88g of sodium carbonate is formed calculate the mass of sodium hydrogen carbonate that was heated.



7.73g

4. Calculate the mass of iron(III) chloride formed when 2.36g of iron is burned in chlorine gas.



6.85g

5. A mixture of 5.74g iron and 2.28g sulfur reacted completely to form iron(II) sulphide. The iron was in excess.



- a. Calculate the mass of iron(II) sulphide that was formed.

6.27g

- b. Calculate the mass of iron left over at the end of the reaction. **1.74g**