

Key Concepts for Introduction to Chemistry A Level Chemistry

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https://www.chemistrytuition.net/chemistry-calculations

1) What mass of $PbSO_4$ would be produced by 100 g of $Pb(NO_3)_2$?

 $Pb(NO_3)_2$ + H_2SO_4 + $2HNO_3$

2) What mass of KCl would be produced from 20 g K_2CO_3 ?

 K_2CO_3 + 2HCl \rightarrow 2KCl + CO_2 + H_2O

3) What mass of NaCl would be produced from 0.71g of chlorine gas?

 $3Cl_2 + 6NaOH \rightarrow 5NaCl + NaClO_3 + 3H_2O$

4) What mass of NaOH would produce 15 g of NaCl?

 $6NaOH + 3Cl_2 \rightarrow NaClO_3 + 5NaCl + 3H_2O$









3) What mass of NaCl would be produced from 7.1g of chlorine gas?





4) What mass of NaOH would produce 15 g of NaCl?



Mass of NaOH = Moles x Molar Mass = 0.307 x 40 = 12.28 grams





Dr Simon Orchard