

Chemical equations card sort

Your task

- Cut out the cards below.
- Sort them into:
 - reactants (cards with a white background)
 - products (shaded background)
 - arrows
- Arrange the cards to match the correct reactants with the correct products.
- Copy the words into your book.
Draw an arrow between reactants and products.
- Copy the formulae into your book. To complete each equation:
 - draw an arrow between reactants and products
 - add numbers to balance any unbalanced equations.
 (Four equations will already be balanced)

magnesium Mg(s)	+	steam H ₂ O(g)	potassium bromide KBr(aq)	+	silver nitrate AgNO ₃ (aq)
lead nitrate Pb(NO ₃) ₂ (aq)	+	potassium iodide KI(aq)	carbon C(s)	+	oxygen O ₂ (g)
copper(II) sulfate CuSO ₄ (aq)	+	sodium hydroxide NaOH(aq)	calcium carbonate CaCO ₃ (s)		
calcium oxide CaO(s)	+	carbon dioxide CO ₂ (g)	carbon dioxide CO ₂ (g)		
copper(II) hydroxide Cu(OH) ₂ (s)	+	sodium sulfate Na ₂ SO ₄ (aq)	lead iodide PbI ₂ (s)	+	potassium nitrate KNO ₃ (aq)
potassium nitrate KNO ₃ (aq)	+	silver bromide AgBr(s)	magnesium oxide MgO(s)	+	hydrogen H ₂ (g)
→	→	→	→	→	→

Chemical equations card sort – ANSWERS

Word equations

magnesium + steam → magnesium oxide + hydrogen

potassium bromide + silver nitrate → potassium nitrate + silver bromide

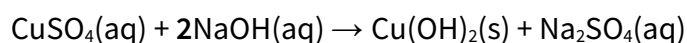
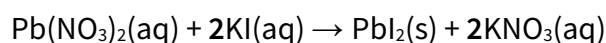
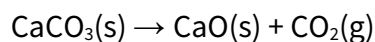
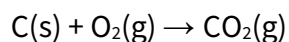
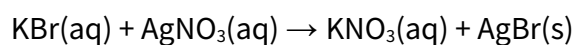
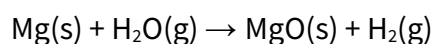
carbon + oxygen → carbon dioxide

calcium carbonate → calcium oxide + carbon dioxide

lead nitrate + potassium iodide → lead iodide + potassium nitrate

copper(II) sulfate + sodium hydroxide → copper(II) hydroxide + sodium sulfate

Balanced symbol equations



Chemical equations card sort – ANSWERS

Word equations

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