



Chem!stry

| Name: | (| |
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| Class: | | |

Date: / /

Balancing Chemical Equations – Advanced

| I) hydrochloric acid + calcium carbonate $ ightarrow$ calcium chloride + carbon dioxide + water | |
|---|--|
| m) sulfuric acid + iron \rightarrow iron(II) sulfate + hydrogen | |
| n) sulfuric acid + sodium carbonate → sodium sulfate + carbon dioxide + water | |
| o) copper(II) carbonate \rightarrow copper(II) oxide + carbon dioxide | |
| p) zinc carbonate → zinc oxide + carbon dioxide | |
| q) potassium nitrate → potassium nitrite + oxygen | |
| r) lead(II) nitrate \rightarrow lead(II) oxide + nitrogen dioxide + oxygen | |
| s) ammonium chloride → hydrogen chloride + ammonia | |
| t) hydrogen iodide \rightarrow hydrogen + iodine | |
| u) calcium nitrate + sodium hydroxide → calcium hydroxide + sodium nitrate | |
| v) sulfuric acid + sodium hydroxide → sodium sulfate + water | |
| w) aluminium + iron(III) oxide → iron + aluminium oxide | |
| x) copper(II) oxide + hydrogen → copper + water | |
| y) iron(III) oxide + carbon monoxide \rightarrow iron + carbon dioxide | |
| z) manganese(IV) oxide + hydrochloric acid \rightarrow manganese(II) chloride + chlorine + water | |
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• Scan the QR code below for the answers to this assignment.



http://www.chemist.sg/formulae_equations/balance_equ_3_ans.pdf