Writing Equations

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| Reaction | Hydrochloric acid is added to magnesium hydroxide, producing water and magnesium chloride. |
| Word Equation |  |
| Formula Equation |  |

For each reaction below, write the word equation, then an equation with formulae.

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| Reaction | Nitric acid is added to calcium carbonate, producing bubbles of carbon dioxide, water and calcium nitrate. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Sodium hydroxide is added to sulphuric acid, producing water and sodium sulphate. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Hydrochloric acid is poured over sodium carbonate. This produces carbon dioxide, water and sodium chloride. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Iron metal reacts with chlorine gas to produce iron III chloride. |
| Word Equation |  |
| Formula Equation |  |
| Reaction | Hydrogen gas reacts with oxygen gas to produce water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Methane burns in oxygen to form carbon dioxide and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Aluminium metal reacts with oxygen to form aluminium oxide. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Hydrochloric acid is added to zinc producing zinc chloride and hydrogen. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Sodium carbonate decomposers into sodium oxide and carbon dioxide. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Lead reacts with oxygen to produce lead oxide. |
| Word Equation |  |
| Formula Equation |  |
| Reaction | Carbon burns in oxygen to form carbon dioxide. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Magnesium carbonate decomposes to magnesium oxide and carbon dioxide. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Calcium oxide reacts with hydrochloric acid to form calcium chloride and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Hydrochloric acid is poured onto magnesium carbonate. This produces magnesium chloride, carbon dioxide and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Sodium metal is burnt in oxygen. This forms sodium oxide. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Zinc oxide reacts with hydrogen sulphide to produce zinc sulphide and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Nitric acid is added to potassium metal. This produces potassium nitrate and hydrogen gas. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Hydrochloric acid is added to potassium oxide producing potassium chloride and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Copper II carbonate is reacted with hydrochloric acid. This produces copper II chloride, carbon dioxide and water. |
| Word Equation |  |
| Formula Equation |  |

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| Reaction | Copper II hydroxide reacts with phosphoric acid producing copper II phosphate and water. |
| Word Equation |  |
| Formula Equation |  |