

Chemistry – Word Equations Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

Write the word equations below as chemical equations, balance, & identify type (if possible) 8) .

1) zinc + lead (II) nitrate yield zinc nitrate + lead	2) aluminum bromide + chlorine yield aluminum chloride + bromine
3) sodium phosphate + calcium chloride yield calcium phosphate + sodium chloride	4) potassium chlorate when heated yields potassium chloride + oxygen gas
5) aluminum + hydrochloric acid yield aluminum chloride + hydrogen gas	6) calcium hydroxide + phosphoric acid yield calcium phosphate + water
7) copper + sulfuric acid yield copper (II) sulfate + water + sulfur dioxide	8) hydrogen + nitrogen monoxide yield water + nitrogen
9) hydrogen plus oxygen yield water	10) nitrogen plus hydrogen yield ammonia
11) aluminum bromide plus chlorine yield aluminum chloride and bromine	12) hydrochloric acid plus sodium hydroxide yield sodium chloride plus water
13) iron plus lead (II) sulfate react forming iron (II) sulfate plus lead	14) potassium chlorate when heated produces potassium chloride plus oxygen gas
15) sulfuric acid decomposes to form sulfur trioxide gas plus water	16) sodium oxide combines with water to make sodium hydroxide
17) potassium iodide reacts with bromine forming potassium bromide plus iodine	18) sodium phosphate reacts with calcium nitrate to produce sodium nitrate plus calcium phosphate
19) zinc reacts with iron (III) chloride yielding zinc chloride plus iron precipitate	20) ammonium carbonate and magnesium sulfate react to yield ammonium sulfate plus magnesium carbonate
21) phosphoric acid plus calcium hydroxide react forming solid calcium phosphate plus water	22) aluminum plus oxygen gas form aluminum oxide under certain conditions
23) nitrogen gas plus oxygen gas react and form dinitrogen pentoxide	24) phosphorus plus oxygen gas form diphosphorus pentoxide

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