

Chapter 11 WS

Skeleton Equations

Name: _____

Period: _____ Date: _____

Using the statements given, create the word equation for each. Then turn the word equation into a skeleton equation for each, and then balance each skeleton reaction to turn it into a chemical reaction.

- 1) Zinc and lead (II) nitrate react to form zinc nitrate and lead
- 2) Aluminum bromide and chlorine gas produce aluminum chloride and bromine gas
- 3) Sodium phosphate and calcium chloride yield calcium phosphate and sodium chloride
- 4) Potassium metal mixed with chlorine gas to make potassium chloride
- 5) Aluminum and hydrochloric acid react to form aluminum chloride and hydrogen gas
- 6) Calcium hydroxide and phosphoric acid neutralize to calcium phosphate and water
- 7) Copper and sulfuric acid react to form copper (II) sulfate and water and sulfur dioxide

- 8) Hydrogen gas and nitrogen monoxide react to form water and nitrogen gas

- 9) Lithium bromide reacts with cobalt (IV) sulfite to produce lithium sulfite and cobalt (IV) bromide

- 10) Lithium nitrate added to silver metal forms lithium and silver nitrate

- 11) Carbon tetrafluoride and oxygen combust to form carbon dioxide and fluorine gas

- 12) Potassium dichromate decomposes into solid potassium chromate, chromium (III) oxide, and oxygen gas

- 13) Octane (octacarbon octodecahydride) burns with oxygen to produce carbon dioxide and water

- 14) Sodium hydroxide and phosphoric acid react to produce sodium phosphate and water

- 15) Sulfur, oxygen gas, and water react to form sulfuric acid