

Name: _____

Date: _____

Period: _____

Predicting Products of Chemical Reactions

This worksheet is designed to help you predict products of simple reactions of the six basic reaction types (synthesis, decomposition, single replacement, double replacement, combustion reactions and neutralization).

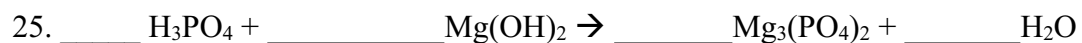
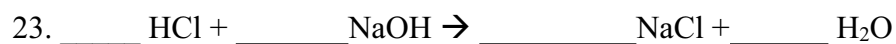
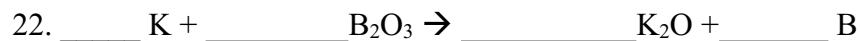
For each question you should predict the products, **then balance**.



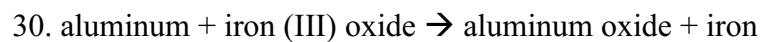
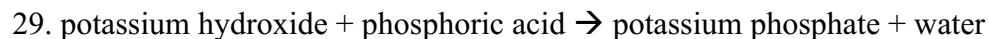
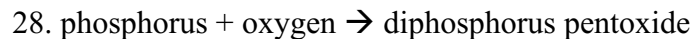
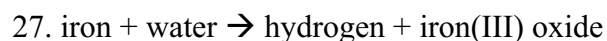
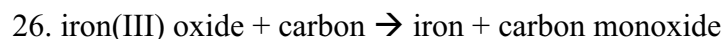
assume Iron will form a +2 charge



Label the type of reaction shown below and balance the skeleton equations



Write, balance and identify the type of reaction for the following chemical equations



Activity Series of Metals	
Name	Symbol
Lithium	Li
Potassium	K
Calcium	Ca
Sodium	Na
Magnesium	Mg
Aluminum	Al
Zinc	Zn
Iron	Fe
Lead	Pb
(Hydrogen)	(H) [*]
Copper	Cu
Mercury	Hg
Silver	Ag

Decreasing reactivity \rightarrow

*Metals from Li to Na will replace H from acids and water; from Mg to Pb they will replace H from acids only.