

ALT 4b (Chemical Reactions) Practice for Retakes Toxins Unit

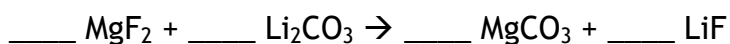
Subtarget 4.4 Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties. [NGSS HS-PS1-2]

For each of the following, identify the reaction type and then balance the equation

Problem 1:Reaction Type? _____



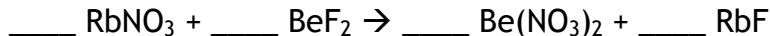
Problem 2:Reaction Type? _____



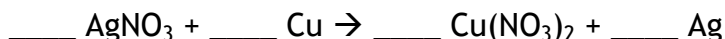
Problem 3:Reaction Type? _____



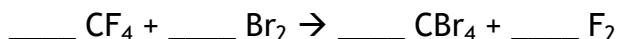
Problem 4:Reaction Type? _____



Problem 5:Reaction Type? _____



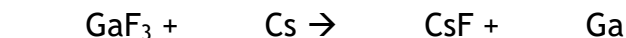
Problem 6:Reaction Type? _____



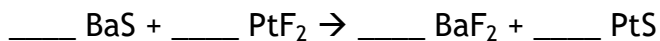
Problem 7:Reaction Type? _____



Problem 8:Reaction Type? _____



Problem 9:Reaction Type? _____



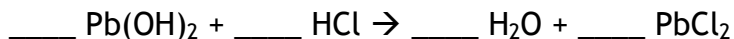
Problem 10:Reaction Type? _____



Problem 11:Reaction Type? _____



Problem 12:Reaction Type? _____

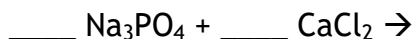


For the following three reactions: determine reaction type, predict the products, and balance. Don't forget to balance the charges when writing ionic compounds!

Problem 13:Reaction Type? _____



Problem 14:Reaction Type? _____



Problem 15:Reaction Type? _____



Balancing Equations Worksheet - Answers

Note to students: It is acceptable to leave spaces blank when balancing equations - blank spaces are interpreted as containing the number "1".

