Balancing Chemical Equations – Practice Part 2

1) _____ K₃PO₄ + _____ HCl → _____ KCl + _____ H₃PO₄

2) _____ MgF₂ + _____ Li₂CO₃ → _____ MgCO₃ + _____ LiF

3) _____ P₄ + _____ O₂ → _____ P₂O₃

4) _____ CF₄ + _____ Br₂ → _____ CBr₄ + _____ F₂

5) _____ GaF₃ + _____ Cs → _____ CsF + _____ Ga

6) _____ BaS + _____ PtF₂ → _____ BaF₂ + _____ PtS

7) _____ Na + _____ O₂ → _____ Na₂O

8) _____ NaF + _____ Br₂ → _____ NaBr + _____ F₂

9) _____ S + _____ O₂ → _____ SO₃

10) _____ CH₄ + _____ O₂ → _____ CO₂ + _____ H₂O

11) _____ Na + _____ HCl → _____ H₂ + _____ NaCl

12) How many total molecules of product were made in #8?_______
13) How many total molecules of reactants were used in #5?_______
14) How many reactant types are used in #11?_______
15) How many types of products are made in #9?_______
16) 4 molecules of a substance contains 3 atoms of sodium, 1 atom of phosphorus, and 4 atoms of oxygen. What is the correct chemical formula for this substance?