SNC 2PI Date: _____

Classifying Reactions and Balancing Chemical Equations

📖 The type of chemical reaction (synthesis, decomposition, single displacement, or double displacement)

1.Balance the skeletal equation: ___ Cu + _____ O_2 → _____ CuO

📖 Reaction type: _____

2.Balance the skeletal equation: ___ H_2O → _____ O_2 + _____ H_2

📖 Reaction type: _____

3.Balance the skeletal equation: ___ Fe + _____ H_2O →_____ Fe_2O_3 + ___ H_2

📖 Reaction type: _____

4.Balance the skeletal equation: ___ H_2S + _____ $AsCl_3$ → _____ As_2S_3 + ___ HCl

📖 Reaction type: _____

5.Balance the skeletal equation: ___ $CaCO_3$ → _____ CO_2 + _____ CaO

📖 Reaction type: _____

6.Balance the skeletal equation: ___ H_2S + _____ KOH → _____ K_2S + _____ HOH

📖 Reaction type: _____

7.Balance the skeletal equation: ___ S_8 + _____ Fe → _____ FeS

📖 Reaction type: _____

8. Balance the skeletal equation: ___ H_2SO_4 + _____ Al → _____ $Al_2(SO_4)_3$ + ___ H_2

📖 Reaction type: _____

9.Balance the skeletal equation: _____ H_3PO_4 + ____ NH_4OH → ____ $(NH_4)_3PO_4$ + ____ HOH

📖 Reaction type: _____

10.Balance the skeletal equation: ___ O_2 + ____ Al → _____ Al_2O_3

📖 Reaction type: _____

11.Balance the skeletal equation: ___ H_2SO_4 + ___ $Al(OH)_3$ → ____ $Al_2(SO_4)_3$ + ___ HOH

📖 Reaction type: _____

12.Balance the skeletal equation: ___ Cl_2 + ____ KBr → ____ KCl + _____ Br_2

📖 Reaction type: _____

13.Balance the skeletal equation: ___ Ca + ____ HOH → _____ $Ca(OH)_2$ + _____ H_2

📖 Reaction type: _____

14.Balance the skeletal equation: ___ H_2O_2 → ____ O_2 + _____ H_2O

📖 Reaction type: _____

15.Balance the skeletal equation: ___ Na + ___ Cl_2 → _____ NaCl

📖 Reaction type: _____

16.Balance the skeletal equation: ___ Zn + _____ $Pb(NO_3)_2$ → _____ $Zn(NO_3)_2$ +_____ Pb

📖 Reaction type: _____

17.Balance the skeletal equation: ___ NaI + _____$Pb(NO_3)_2$ → _____ $NaNO_3$ + _____PbI_2

📖 Reaction type: _____

18Balance the skeletal equation: ___ P_4 + _____O_2 → _____ P_2O_5

📖 Reaction type: _____

19.Balance the skeletal equation: ___ NH_4NO_3 → _____ H_2O + _____N_2O

📖 Reaction type: _____

20.Balance the skeletal equation: ___ CaI_2 +_____$AgNO_3$ → _____ $Ca(NO_3)_2$ + _____AgI

📖 Reaction type: _____