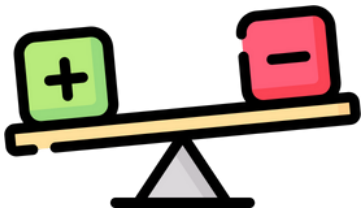
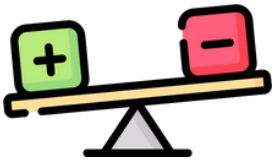
Balancing Chemical Equations Worksheet



Name: _____ **Class:** _____

- ____ H_2 + ____ O_2 → ____ H_2O
- ____ Na + ____ Cl_2 → ____ NaCl
- ____ Al + ____ Br_2 → ____ $AlBr_3$
- ____ $Ca(OH)_2$ + ____ H_3PO_4 → ____ $Ca_3(PO_4)_2$ + ____ H_2O
- ____ C + ____ O_2 → ____ CO_2
- ____ K + ____ H_2O → ____ KOH + ____ H_2
- ____ P_4 + ____ O_2 → ____ P_4O_{10}
- ____ Cu + ____ S → ____ Cu_2S
- ____ H_2 + ____ S → ____ H_2S
- ____ Fe + ____ H_2O → ____ Fe_3O_4 + ____ H_2
- _ ___ Zn + ____ HCl → ____ $ZnCl_2$ + ____ H_2



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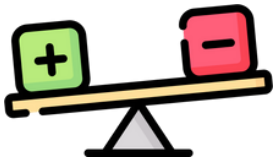

Answer Key

Name: _____ **Class:** _____

- 2 $H_2 + O_2 \rightarrow$ 2 H_2O
- 2 $Na + Cl_2 \rightarrow$ 2 $NaCl$
- 2 $Al +$ 3 $Br_2 \rightarrow$ 2 $AlBr_3$
- 3 $Ca(OH)_2 +$ 2 $H_3PO_4 \rightarrow Ca_3(PO_4)_2 +$ 6 H_2O
- $C + O_2 \rightarrow CO_2$
- 2 $K +$ 2 $H_2O \rightarrow$ 2 $KOH + H_2$
- 4 $P_4 +$ 5 $O_2 \rightarrow$ 2 P_4O_{10}
- 2 $Cu + S \rightarrow Cu_2S$
- $H_2 + S \rightarrow H_2S$
- 3 $Fe +$ 4 $H_2O \rightarrow Fe_3O_4 +$ 4 H_2
- $Zn +$ 2 $HCl \rightarrow ZnCl_2 + H_2$