

NAME _____

SECT.: _____

BALANCE THE FOLLOWING EQUATIONS (IF ALREADY BALANCED WRITE "B" AFTER)

1. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
2. $\text{KClO}_3 \rightarrow \text{KCl} + \text{O}_2$
3. $\text{P}_4\text{O}_{10} + \text{C} \rightarrow \text{P}_4 + \text{CO}$
4. $\text{H}_2 + \text{N}_2 \rightarrow \text{NH}_3$
5. $\text{H}_2 + \text{Cl}_2 \rightarrow \text{HCl}$
6. $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
7. $\text{NO}_2 + \text{H}_2\text{O} \rightarrow \text{HNO}_3 + \text{NO}$
8. $\text{HgO} \rightarrow \text{Hg} + \text{O}_2$
9. $\text{CO} + \text{H}_2 \rightarrow \text{CH}_3\text{OH}$
10. $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
11. $\text{PBr}_3 + \text{H}_2\text{O} \rightarrow \text{H}_3\text{PO}_3 + \text{HBr}$
12. $\text{Sb} + \text{Cl}_2 \rightarrow \text{SbCl}_3$
13. $\text{H}_2\text{S} + \text{O}_2 \rightarrow \text{SO}_2 + \text{H}_2\text{O}$
14. $\text{NaCl} + \text{H}_2\text{SO}_4 \rightarrow \text{Na}_2\text{SO}_4 + \text{HCl}$
15. $\text{Zn(OH)}_2 + \text{NaOH} \rightarrow \text{Na}_2\text{ZnO}_2 + \text{H}_2\text{O}$
16. $\text{Fe}_2\text{O}_3 + \text{CO} \rightarrow \text{Fe} + \text{CO}_2$
17. $\text{CH}_4 \rightarrow \text{C}_2\text{H}_2 + \text{H}_2$
18. $\text{NaOH} + \text{CO}_2 \rightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O}$
19. $\text{Ca}_3(\text{PO}_4)_2 + \text{SiO}_2 \rightarrow \text{P}_4\text{O}_{10} + \text{CaSiO}_3$
20. $\text{Ca}_3(\text{PO}_4)_2 + \text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + \text{H}_3\text{PO}_4$
21. $\text{AsCl}_3 + \text{H}_2\text{O} \rightarrow \text{HCl} + \text{As(OH)}_3$
22. $\text{Fe}_2\text{O}_3 + \text{C} \rightarrow \text{Fe}_3\text{C} + \text{CO}$
23. $\text{Al}_2\text{O}_3 + \text{C} \rightarrow \text{Al}_4\text{C}_3 + \text{CO}$
24. $\text{Al}_4\text{C}_3 + \text{H}_2\text{O} \rightarrow \text{Al(OH)}_3 + \text{CH}_4$
25. $\text{Al} + \text{Fe}_3\text{O}_4 \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$