

Dr. Avo's Chem exam	Left coeffs	Right coeffs	Even->1, Odd->0			
1. $\text{O}_2 \rightarrow \text{O}$	1	2	01			
2. $\text{AsCl} + \text{I}_2 \rightarrow \text{As} + \text{Cl}_2$	2 1	2 2	1011			
3. $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	1 2	1 2	0101			
4. $\text{CO}_2 \rightarrow \text{C}_2\text{O}_2 + \text{O}_2$	2	1 1	100			
5. $\text{N}_2\text{H}_4 \rightarrow \text{N}_2 + \text{H}_2$	1	1 2	001			
6. $\text{I}_2 \rightarrow \text{I}$	1	2	01			
7. $\text{C}_3\text{H}_7\text{OH} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	2 9	6 8	1011			
8. $\text{H}^+ + \text{MoO}_4^{2-} \rightarrow \text{Mo}_7\text{O}_{24}^{6-} + \text{H}_2\text{O}$	8 7	1 4	1001			
9. $\text{Al} + \text{O}_2 \rightarrow \text{Al}_2\text{O}_3$	4 3	2	101			
10. $\text{C} + \text{O} + \text{H} \rightarrow \text{CH}_2\text{O}$	1 1 2	1	0010			
11. $\text{P} + \text{H}_2\text{O} + \text{Cu}^{2+} \rightarrow \text{Cu} + \text{H}_3\text{O}^+ + \text{H}_2\text{PO}_4^-$	2 20 5	5 12 2	110011			
12. $\text{C}_2 + 2 + \text{O}_2 - 2 \rightarrow \text{CO}$	1 1	2	001	011011010110000101101110011010010110011001		
				01101101 01100001 01101110 01101001 01100110 01(100)		
Mr. Gadro's AP Chem exam:				MANIF		
1. $\text{H}_2\text{O} + \text{P}_4\text{O}_{10} \rightarrow \text{H}_3\text{PO}_4$	6 1	4	101			
2. $\text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	1 6	6 6	0111			
3. $\text{N}_2 + \text{H}_2 \rightarrow \text{NH}_3 - 2 + \text{e}^-$	1 3	2 -4?	0011			
4. $\text{H}_2 + \text{NaOH} \rightarrow \text{Na} + \text{H}_2\text{O}$	1 2	2 2	0111			
5. $\text{Zn} + \text{HCl} \rightarrow \text{ZnCl}_2 + \text{H}_2$	1 2	1 1	0100			
6. $\text{S}_2\text{O}_4 \rightarrow \text{SO}_2$	1	2	01			
7. $\text{N}_2\text{O} + \text{CS}_2 \rightarrow \text{S}_8 + \text{CO}_2 + \text{N}_2$	8 4	1 4 8	11011			
8. $\text{FeO}_2 \rightarrow \text{Fe}_2\text{O}_4$	2	1	10			
9. $\text{Cs}^+ + \text{O}^- \rightarrow \text{Cs}_2\text{O}_2$	2 2	1	110			
10. $\text{Al} + \text{H}_2\text{SO}_4 \rightarrow \text{Al}_2(\text{SO}_4)_3 + \text{H}_2$	2 3	1 3	1000			
11. $\text{H}_2\text{O}_2 \rightarrow \text{H}^+ + \text{O}^-$	1	2 2	011			
12. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{NaNO}_3 + \text{AgCl}$	1 1	1 1	0000			
13. $\text{O}_2 + \text{C}_{10}\text{H}_4 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	11 1	10 2	0011			
14. $\text{HNO}_3 + \text{H}_3\text{PO}_3 \rightarrow \text{NO} + \text{H}_3\text{PO}_4 + \text{H}_2\text{O}$	2 3	2 3 1	10100	101011100110111010001110111011010000110000001110100		
				101 01110011 01110100 01110111 01101000 01100000 01110100		
				ESTWH(A)T		