

Mix-Pair-Share Answer Key

Oxidation States

1. $\overset{+1}{\text{K}}\overset{+7}{\text{Cl}}\overset{-2}{\text{O}_4}$	Potassium perchlorate	15. $\overset{+2}{\text{N}}\overset{-2}{\text{O}}$	Nitrogen monoxide
2. $\overset{+6}{\text{Cr}_2}\overset{-2}{\text{O}_7}^{2-}$	Dichromate ion	16. $\overset{0}{\text{Cu}}$	Copper
3. $\overset{+2}{\text{Ca}}\overset{-1}{\text{H}_2}$	Calcium hydride	17. $\overset{+4}{\text{N}}\overset{-2}{\text{O}_2}$	Nitrogen dioxide
4. $\overset{+1}{\text{Na}_2}\overset{-1}{\text{O}_2}$	Sodium peroxide	18. $\overset{+2}{\text{Fe}}\overset{-2}{\text{O}}$	Iron (II) oxide
5. $\overset{+8/3}{\text{Fe}_3}\overset{-2}{\text{O}_4}$	Iron (III) oxide & Iron (II) oxide	19. $\overset{-3}{\text{N}}\overset{+1}{\text{H}_3}$	Ammonia
6. $\overset{+3}{\text{Al}_2}\overset{-2}{\text{O}_3}$	Aluminum oxide	20. $\overset{+1}{\text{Na}}\overset{-1}{\text{H}}$	Sodium hydride
7. $\overset{0}{\text{Br}_2}$	Bromine	21. $\overset{+1}{\text{H}}\overset{+1}{\text{Cl}}\overset{-2}{\text{O}}$	Hypochlorous acid
8. $\overset{0}{\text{Zn}}$	Zinc	22. $\overset{+1}{\text{H}_2}\overset{-1}{\text{O}_2}$	Hydrogen peroxide
9. $\overset{+1}{\text{Na}}\overset{+7}{\text{Mn}}\overset{-2}{\text{O}_4}$	Sodium permanganate	23. $\overset{+2}{\text{Cr}}\overset{-1}{\text{Cl}_2}$	Chromium (II) chloride
10. $\overset{+3}{\text{Cl}}\overset{-2}{\text{O}_2}^-$	Chlorite ion	24. $\overset{+5}{\text{N}_2}\overset{-2}{\text{O}_5}$	Dinitrogen pentoxide
11. $\overset{+1}{\text{H}_2}\overset{+6}{\text{S}}\overset{-2}{\text{O}_4}$	Sulfuric acid	25. $\overset{+6}{\text{S}}\overset{-2}{\text{O}_3}$	Sulfur trioxide
12. $\overset{+3}{\text{C}_2}\overset{-2}{\text{O}_4}^{2-}$	Oxalate ion	26. $\overset{+4}{\text{N}_2}\overset{-2}{\text{O}_4}$	Dinitrogen tetroxide
13. $\overset{+2}{\text{Fe}^{2+}}$	Iron (II) ion	27. $\overset{+7}{\text{I}}\overset{-2}{\text{O}_4}^-$	Periodate ion
14. $\overset{+5}{\text{N}}\overset{-2}{\text{O}_3}^-$	Nitrate ion	28. $\overset{+5}{\text{Se}}\overset{-2}{\text{O}_3}^-$	Selenite ion