

Oxidation Numbers Worksheet

Give the oxidation state of all atoms in the following compounds

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| 1. P_4 | P: 0 |
| 2. Al_2O_3 | Al: +3, O: -2 |
| 3. MnO_4^- | Mn: +7, O: -2 |
| 4. NaH | Na: +1, H: -1 |
| 5. H_2O | H: +1, O: -2 |
| 6. Fe_3O_4 | Fe: $+2\frac{2}{3}$, O: -2 |
| 7. S_8 | S: 0 |
| 8. $\text{Cr}_2\text{O}_7^{2-}$ | Cr: +6, O: -2 |
| 9. Cl_2O | Cl: +1, O: -2 |
| 10. K_2O_2 (potassium peroxide) | K: +1, O: -1 |
| 11. $\text{S}_2\text{O}_3^{2-}$ | S: +2, O: -2 |
| 12. Hg_2Cl_2 | Hg: +1, Cl: -1 |
| 13. KMnO_4 | K: +1, Mn: +7, O: -2 |
| 14. H_2CO_3 | H: +1, C: +4, O: -2 |