

Saitechinfo NEET-JEE Academy

Here is the key to the oxidation number questions provided:

1. Oxygen in H_2O : **-2**
2. Sulfur in H_2SO_4 : **+6**
3. Carbon in CH_4 : **-4**
4. Nitrogen in NH_3 : **-3**
5. Chromium in $Cr_2O_7^{2-}$: **+6**
6. Manganese in $KMnO_4$: **+7**
7. Chlorine in Cl_2 : **0**
8. Iron in Fe_2O_3 : **+3**
9. Phosphorus in H_3PO_4 : **+5**
10. Hydrogen in NaH : **-1**
11. Nitrogen in NO_3^- : **+5**
12. Oxygen in O_2 : **0**
13. Carbon in CO_2 : **+4**
14. Sulfur in SO_2 : **+4**
15. Bromine in BrO_3^- : **+5**
16. Oxygen in H_2O_2 (peroxide): **-1**
17. Iron in $Fe(CN)_6^{3-}$: **+3**
18. Sulfur in H_2SO_3 : **+4**
19. Nitrogen in N_2H_4 : **-2**
20. Chlorine in ClO^- : **+1**
21. Lead in PbO_2 : **+4**
22. Phosphorus in PCl_5 : **+5**
23. Carbon in C_2H_6 : **-3**
24. Manganese in MnO_2 : **+4**
25. Iodine in ICl_3 : **+3**
26. Chromium in $K_2Cr_2O_7$: **+6**
27. Oxygen in KO_2 (superoxide): **-1/2**
28. Nitrogen in N_2O_4 : **+4**
29. Copper in $CuSO_4$: **+2**
30. Sulfur in $Na_2S_2O_3$: **+2 (central sulfur), +6 (terminal sulfur)**