

Advanced Chemistry  
More Practice Oxidation Numbers WS

Name \_\_\_\_\_

*Instructions:* Determine the oxidation number the indication element in each of the following substances.

1. S in SF<sub>6</sub> \_\_\_\_\_

2. C in CO \_\_\_\_\_

3. C in CO<sub>2</sub> \_\_\_\_\_

4. N in NH<sub>2</sub><sup>+1</sup> \_\_\_\_\_

5. N in N<sub>2</sub> \_\_\_\_\_

6. O in H<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_

7. N in NH<sub>4</sub>Cl \_\_\_\_\_

8. K in KCl \_\_\_\_\_

9. As in H<sub>3</sub>AsO<sub>4</sub> \_\_\_\_\_

10. Cu in Cu<sup>2+</sup> in \_\_\_\_\_

11. Br in HBrO<sub>3</sub> \_\_\_\_\_

12. F in SF<sub>4</sub> \_\_\_\_\_

13. Mg in Mg(NO<sub>3</sub>)<sub>2</sub> \_\_\_\_\_

14. O in SrO<sub>2</sub> \_\_\_\_\_

15. N in N<sup>3-</sup> \_\_\_\_\_

16. Fe in FeCl<sub>3</sub> \_\_\_\_\_

17. O in OF<sub>2</sub> in \_\_\_\_\_

18. H in SrH<sub>2</sub> \_\_\_\_\_

19. O in K<sub>2</sub>O<sub>2</sub> \_\_\_\_\_

20. P in PO<sub>3</sub><sup>3-</sup> \_\_\_\_\_

21. H in OH<sup>-1</sup> \_\_\_\_\_

22. Si in SiO<sub>3</sub><sup>2-</sup> \_\_\_\_\_

23. Cr in CrO<sub>4</sub><sup>2-</sup> \_\_\_\_\_

24. Cl in ClO<sub>2</sub><sup>-1</sup> \_\_\_\_\_

25. Cl in ClO<sub>4</sub><sup>-1</sup> \_\_\_\_\_

26. Ag in AgNO<sub>3</sub> \_\_\_\_\_

27. O in NaO<sub>2</sub> \_\_\_\_\_

28. Al in Al<sup>3+</sup> \_\_\_\_\_

29. B in BO<sub>3</sub><sup>3-</sup> \_\_\_\_\_

30. Xe in XeF<sub>4</sub> \_\_\_\_\_