

Advanced Chemistry  
Oxidation Numbers WS

Name \_\_\_\_\_

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

1. S in  $\text{S}_2\text{O}_3$  \_\_\_\_\_

11. O in  $\text{BaO}_2$  \_\_\_\_\_

2. Fe in  $\text{FeO}$  \_\_\_\_\_

12. C in  $\text{CuCO}_3$  \_\_\_\_\_

3. N in  $\text{HNO}_3$  \_\_\_\_\_

13. Al in  $\text{Al}$  \_\_\_\_\_

4. H in  $\text{H}_2\text{S}$  \_\_\_\_\_

14. O in  $\text{K}_2\text{O}$  \_\_\_\_\_

5. O in  $\text{OF}_2$  \_\_\_\_\_

15. I in  $\text{IO}_3^{1-}$  \_\_\_\_\_

6. Cl in  $\text{CrCl}_3$  \_\_\_\_\_

16. Br in  $\text{BrO}_2^{1-}$  \_\_\_\_\_

7. Co in  $\text{Co}^{2+}$  \_\_\_\_\_

17. S in  $\text{MgSF}_6$  \_\_\_\_\_

8. P in  $\text{PO}_4^{3-}$  \_\_\_\_\_

18. C in  $\text{CF}_4$  \_\_\_\_\_

9. O in  $\text{RbO}_2$  \_\_\_\_\_

19. Cl in  $\text{ClF}_3$  \_\_\_\_\_

10. Br in  $\text{Br}_2$  \_\_\_\_\_

20. Br in  $\text{HBrO}_3$  \_\_\_\_\_