

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Covalent Naming and Formula Writing Practice

Physical Science Standard SPS2.c.2: Use IUPAC nomenclature for transition between chemical names and chemical formulas of binary covalent compounds

Write the prefixes for the following numbers:

1 _____	4 _____	7 _____	10 _____
2 _____	5 _____	8 _____	
3 _____	6 _____	9 _____	

Write the chemical name for the following compounds

1.  $N_2O_4$  \_\_\_\_\_

2.  $PCl_3$  \_\_\_\_\_

3.  $NH_4$  \_\_\_\_\_

4.  $SCl_8$  \_\_\_\_\_

5.  $P_4O_{10}$  \_\_\_\_\_

6.  $CCl_4$  \_\_\_\_\_

7.  $SiO_2$  \_\_\_\_\_

8.  $PBr_3$  \_\_\_\_\_

9.  $PBr_3$  \_\_\_\_\_

10.  $OF_2$  \_\_\_\_\_

11.  $N_2O_3$  \_\_\_\_\_

12.  $CCl_4$  \_\_\_\_\_

13.  $SCl_6$  \_\_\_\_\_

14.  $H_2O$  \_\_\_\_\_

Write the chemical formula for the following compounds

15. Carbon Dioxide \_\_\_\_\_

16. Carbon monoxide \_\_\_\_\_

17. Sulfur dioxide \_\_\_\_\_

18. Dinitrogen monoxide \_\_\_\_\_

19. Nitrogen monoxide \_\_\_\_\_

20. Dinitrogen trioxide \_\_\_\_\_

21. Dinitrogen pentoxide \_\_\_\_\_

22. Diphosphorus pentachloride \_\_\_\_\_

23. Dinitrogen tetraoxide \_\_\_\_\_

24. Nitrogen disulfide \_\_\_\_\_

25. Phosphorus pentachloride \_\_\_\_\_

26. Sulfur hexachloride \_\_\_\_\_

27. dinitrogen trioxide \_\_\_\_\_

28. dinitrogen monoxide \_\_\_\_\_