

Name: Class Copy

Period: Subject: Int Science

Activity 3 - Letters to Words

Apply

List the name of each of the compounds represented by the following chemical formulas:

1. CO_2 _____

2. P_2O_5 _____

3. CCl_4 _____

Give the appropriate chemical formulas for the following compounds.

4. Phosphorus trifluoride _____

5. Trisulfur hexabromide _____

6. Diphosphorus monoxide _____

7. Which subatomic particle is involved in the bonding of atoms to form molecules?

8. *Briefly* describe the difference between covalent and ionic bonds.

9. In a chemical formula, explain the difference between a subscript and a coefficient (ex: $5\text{H}_2\text{O}$).

List the name of each of the compounds represented by the following chemical formulas:

10. NaF _____

11. Fe₂O₃ _____

12. CaCO₃ _____

13. NH₄NO₃ _____

Give the appropriate chemical formulas for the following compounds. Be sure to include the proper subscripts for each atom.

14. Lithium carbonate _____

15. Copper(I) oxide _____

16. Ammonium chloride _____

17. Lead(IV) phosphate _____

Which type of bond would each of the following pairs of atoms form: ionic or covalent

18. C, O _____

19. Ca, O _____

20. N, N _____