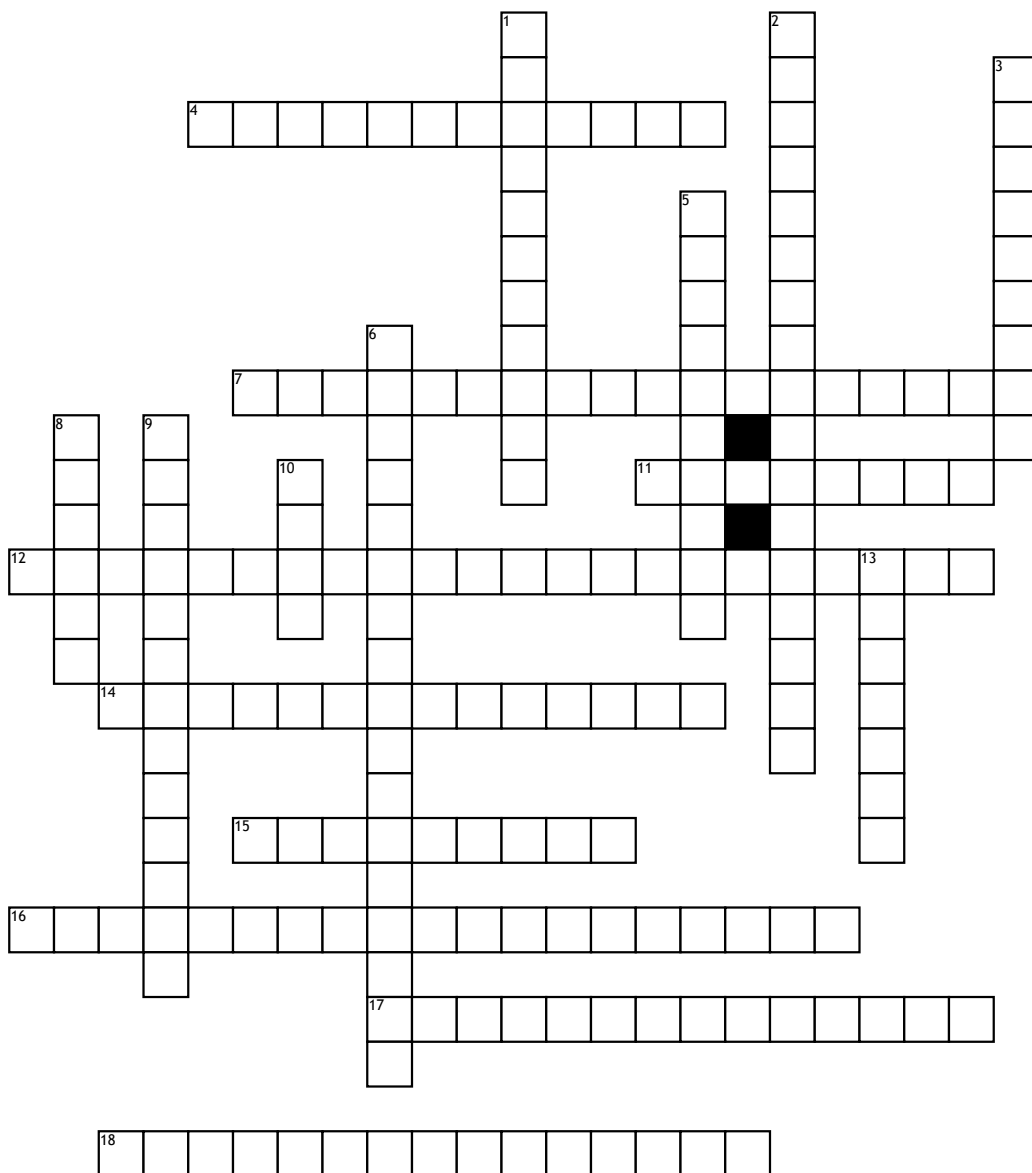


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Covalent bond vocab



## Across

4. A chemical bond that results from sharing valence electrons

7. When more energy is released during product bond formation than is required to break

11. When two or more atoms bond covalently

12. Forms when one atom donates both of the electrons to be shared with another atom

14. One atom at center and three atoms at the corners

15. When more than one valid Lewis structure can be written for a molecule

16. When a greater amount of energy is required to break the bonds than what is released

17. Electron dot diagrams that can be used to show valence electrons of atoms

18. The molecular shape that results when 3 bonds and one lone pair on central atom in molecule

## Down

1. A central atom located at center with 4 substituents located around

2. Unequal sharing of electrons

3. Single covalent bonds

5. Valence shell electron pair model

6. Uses letter symbols and bonds to show relative positions of atoms

8. Multiple covalent bonds

9. A process where atomic orbitals mix and form new identical hybrid orbitals

10. When atoms set up their two covalent bonds in non collinear directions

13. An acid that contains both a hydrogen atom and an oxyanion