

# Jumble 09/26/07, Holt\_Chemistry

Name \_\_\_\_\_ Date \_\_\_\_\_

Instructions: Complete the puzzle. Use the clues to help you unscramble the terms

1. P T E I R L    D B N O  
□ □ □ □ □ □    □ □ □ □
2. I S E L W    T T U R E R U C S  
□ □ □ □ □    □ □ □ □ □ □ □ □
3. N E O L C A T V    N B D O  
□ □ □ □ □ □ □ □    □ □ □ □
4. T L N E - H N B D G O  
□ □ □ □ □ □ □ □ □ □
5. E S O E R N N A C    C R T S R T E U U  
□ □ □ □ □ □ □ □ □ □    □ □ □ □ □ □ □ □ □ □
6. R S P E V    T R E Y O H  
□ □ □ □ □    □ □ □ □ □ □
7. L S I G E N    B O D N  
□ □ □ □ □ □    □ □ □ □
8. O R A L P    L T C O E A V N    D B N O  
□ □ □ □ □    □ □ □ □ □ □ □ □    □ □ □ □
9. D B N O    G R Y N E E  
□ □ □ □    □ □ □ □ □ □
10. P O L E I D  
□ □ □ □ □ □
11. C E R A L L U M O    I A L R O T B  
□ □ □ □ □ □ □ □ □ □    □ □ □ □ □ □ □ □
12. D L O E B U    D N B O  
□ □ □ □ □ □    □ □ □ □
13. R O O P N A N L    A C T O L N V E    B D O N  
□ □ □ □ □ □ □ □    □ □ □ □ □ □ □ □    □ □ □ □
14. D U S R E H N A    A I R P  
□ □ □ □ □ □ □ □    □ □ □ □

## Clues:

1. a covalent bond in which two atoms share three pairs of electrons
2. a structural formula in which electrons are represented by dots; dot pairs or dashes between two atomic symbols represent pairs in covalent bonds
3. a bond formed when atoms share one or more pairs of electrons

4. the distance between two bonded atoms at their minimum potential energy; the average distance between the nuclei of two bonded atoms
5. in chemistry, any one of two or more possible configurations of the same compound that have identical geometry but different arrangements of electrons
6. a theory that predicts some molecular shapes based on the idea that pairs of valence electrons surrounding an atom repel each other
7. a covalent bond in which two atoms share one pair of electrons
8. a covalent bond in which a pair of electrons shared by two atoms is held more closely by one atom
9. the energy required to break the bonds in 1 mol of a chemical compound
10. a molecule or a part of a molecule that contains both positively and negatively charged regions
11. the region of high probability that is occupied by an electron as it travels around one of two or more associated nuclei
12. a covalent bond in which two atoms share two pairs of electrons
13. a covalent bond in which the bonding electrons are equally attracted to both bonded atoms
14. a nonbonding pair of electrons in the valence shell of an atom; also called *lone pair*