

Quiz 6
PSC1341

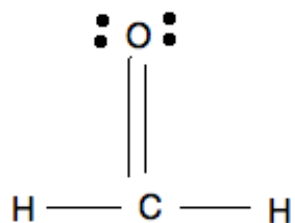
Matching

- | | |
|----------------------|-------|
| 1. Reactants | _____ |
| 2. products | _____ |
| 3. Acid | _____ |
| 4. Base | _____ |
| 5. pH | _____ |
| 6. A hydrocarbon | _____ |
| 7. Covalent bond | _____ |
| 8. Bonding electrons | _____ |
| 9. Tetrahedral | _____ |
| 10. Trigonal planar | _____ |
| 11. Linear | _____ |

- A. A substance that make H^+ (H_3O^+) when dissolved in water.
B. A scale that measures acidity of a solution
C. A substance that makes OH^- when dissolved in water.
D. A compound composed of only carbon and hydrogen
E. to the left of the arrow in a chemical equation
F. to the right of the arrow in a chemical equation
G. a shape where the bonds radiate from the central atom with bond angles of 109.5 degrees
H. a shared pair of electrons
I. a shape where the bonds radiate from the central atom with bond angles of 180 degrees
J. a shape where the bonds radiate from the central atom with bond angles of 120 degrees
K. a bond between two non-metals

Problems

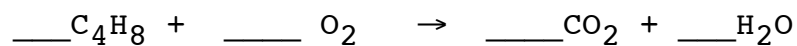
12. What is the formula of carbon disulfide?
13. What is the formula of dinitrogen trioxide?
14. What is the name of CCl_4 ?



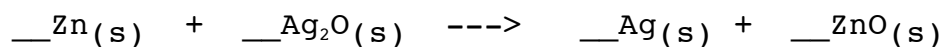
formaldehyde

15. What is the shape around the central atom in formaldehyde? _____
 (tetrahedral, trigonal planar or linear)
16. What are the bond angles around the central atom in formaldehyde? _____

17. Please balance:



18. Please balance:



19. How many carbons in the structure below? _____

