Name_____ Date_____ Period_____

Mole Unit Ws #3: Molar Mass

Molar mass is the mass of one mole of a substance. The units for molar mass are grams per mole (g/mol)

1. Find the molar mass of Quartz, SiO_2. (1x28.0) + (2x16.0)

60.0 g/mol

2. Find the molar mass of gasoline, C_8H_{18}.

3. Find the molar mass of Aluminum Acetate, $Al(C_2H_3O_2)_3$.
(1x27.0) + (6x12.0) + (9x1.00) + (6x16.0)

204 g/mol

4. Find the molar mass of Aluminum hydroxide, $Al(OH)_3$.

5 .Find the molar mass of Sodium Orthoarsenate, $Na_3AsO_4 \cdot 12H_2O$.
(3x23.0) + (1x75.0) + (4x16.0) + (24x1.00) + (12 x 16.0)

424 g/mol

6. Find the molar mass of Nitroglycerine, $C_3H_5(NO_3)_3$.

7. Find the molar mass of Natural Pseudowollastonite, $CaSiO_3$.

116 g/mol

8. Find the molar mass of Caffeine, $C_8H_{10}N_4O_2$.

9. Find the molar mass of Magnesium hydroxide, $Mg(OH)_2$.

58.3 g/mol

10. Find the molar mass of Chlorine Gas, Cl_2

11. Find the molar mass of Ammonium Sulfate $(NH_4)_2SO_4$.

132 g/mol

12. Find the molar mass of glucose, $C_6H_{12}O_6$.

13. Find the molar mass of Baking Soda, Sodium bicarbonate, $NaHCO_3$

84.0 g/mol

14. Find the molar mass of testosterone, $C_{19}H_{28}O_2$