

Determine the molar mass (mass of one mole) of each of the following substances:

Example: $\text{Ca}(\text{HCO}_3)_2$

$$1 \text{ Ca} = 1 \times 40.08 = 40.08$$

$$2 \text{ H} = 2 \times 1.01 = 2.02$$

$$2 \text{ C} = 2 \times 12.01 = 24.02$$

$$6 \text{ O} = 6 \times 16.00 = \underline{96.00}$$

162.12 g/mol

1. FeSO_4
(in iron pills)

2. magnesium sulfate
(epsom salts)

3. sodium carbonate
(washing soda)

4. MgSiO_3
(asbestos)

5. sodium hypochlorite
(laundry bleach)

6. $\text{Al}(\text{OH})_3$
(water clarifier)

7. sodium chloride
(table salt)

8. calcium carbonate
(limestone)

9. dinitrogen monoxide
(anesthetic)

10. $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
(hypo crystals)

11. $\text{NH}_4\text{H}_2\text{PO}_4$
(fertilizer)