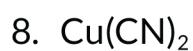
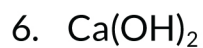
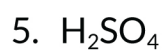
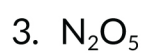
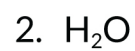


Name : _____ Date : _____

CALCULATING MOLAR MASS WORKSHEET

With the help of the periodic table, calculate the molar masses of the following compounds.



CALCULATING MOLAR MASS WORKSHEET

Answers

1. CO₂

Molar mass of CO₂ = Molar mass of C + (2 x Molar mass of O) = 12 + 32 = 44 g/mol

2. H₂O

Molar mass of H₂O = (2 x Molar mass of H) + Molar mass of O = 2 + 16 = 18 g/mol

3. N₂O₅

Molar mass of N₂O₅ = (2 x Molar mass of N) + (5 x Molar mass of O) = 28 + 80 = 108 g/mol

4. NaCl

Molar mass of NaCl = Molar mass of Na + Molar mass of Cl = 23 + 35.5 = 58.5 g/mol

5. H₂SO₄

Molar mass of H₂SO₄ = (2 x Molar mass of H) + Molar mass of S + (4 x Molar mass of O) = 2 + 32 + 64 = 98 g/mol

6. Ca(OH)₂

Molar mass of Ca(OH)₂ = Molar mass of Ca + (2 x Molar mass of O) + (2 x Molar mass of H) = 40 + 32 + 2 = 74 g/mol

7. LiCl

Molar mass of LiCl = Molar mass of Li + Molar mass of Cl = 7 + 35.5 = 42.5 g/mol

8. Cu(CN)₂

Molar mass of Cu(CN)₂ = Molar mass of Cu + (2 x Molar mass of C) + (2 x Molar mass of N) = 63.5 + 24 + 28 = 115.5 g/mol

9. Hg₂F₂

Molar mass of Hg₂F₂ = (2 x Molar mass of Hg) + (2 x Molar mass of F) = 401 + 38 = 439 g/mol