

Name : _____ Date : _____



GRAM FORMULA MASS



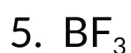
Calculate the molar masses of the following compounds.



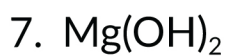






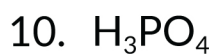




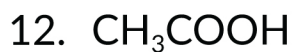


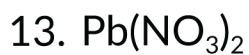


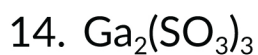
















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Answers

Calculate the molar masses of the following compounds.

1. Cl_2 $2 \times 35.45 = 70.9 \text{ g/mol}$
2. KOH $39.01 + 16.00 + 1.01 = 56.11 \text{ g/mol}$
3. BeCl_2 $9.01 + 2 \times 35.45 = 79.91 \text{ g/mol}$
4. FeCl_3 $55.85 + 3 \times 35.45 = 162.2 \text{ g/mol}$
5. BF_3 $10.81 + 3 \times 19.00 = 67.81 \text{ g/mol}$
6. CCl_2F_2 $12.01 + 2 \times 35.45 + 2 \times 19.00 = 120.91 \text{ g/mol}$
7. Mg(OH)_2 $24.31 + 2 \times 16.00 + 2 \times 1.01 = 58.33 \text{ g/mol}$
8. UF_6 $238.03 + 6 \times 19.00 = 352.03 \text{ g/mol}$
9. SO_2 $32.07 + 2 \times 16.00 = 64.07 \text{ g/mol}$
10. H_3PO_4 $3 \times 1.01 + 30.97 + 4 \times 16.00 = 98.00 \text{ g/mol}$
11. $(\text{NH}_4)_2\text{SO}_4$ $2 \times 14.01 + 8 \times 1.01 + 32.07 + 4 \times 16.00 = 132.17 \text{ g/mol}$
12. CH_3COOH $2 \times 12.01 + 4 \times 1.01 + 2 \times 16 = 60.06 \text{ g/mol}$
13. $\text{Pb(NO}_3)_2$ $207.2 + 2 \times 14.01 + 9 \times 16.00 = 331.22 \text{ g/mol}$
14. $\text{Ga}_2(\text{SO}_3)_3$ $2 \times 69.72 + 3 \times 32.07 + 9 \times 16.00 = 379.65 \text{ g/mol}$
15. Ag_3PO_4 $3 \times 107.9 + 31.00 + 4 \times 16.00 = 370.7 \text{ g/mol}$