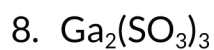
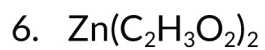
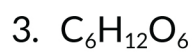


Name : _____ Date : _____

MOLAR MASS WORKSHEET



Determine the molar masses of the following compounds.



MOLAR MASS WORKSHEET



Answers

1. PbSO_4

Molar mass of PbSO_4 = Molar mass of Pb + Molar mass of S + (4 x Molar mass of O) =
 $207.2 + 32.065 + 63.99 = 303.3 \text{ g/mol}$

2. AgF

Molar mass of AgF = Molar mass of Ag + Molar mass of F = $107.8 + 18.9 = 126.7 \text{ g/mol}$

3. $\text{C}_6\text{H}_{12}\text{O}_6$

Molar mass of $\text{C}_6\text{H}_{12}\text{O}_6$ = (6 x Molar mass of C) + (12 x Molar mass of H) +
(6 x Molar mass of O) = $72.0642 + 12.09528 + 95.9964 = 180.15 \text{ g/mol}$

4. NaBr

Molar mass of NaBr = Molar mass of Na + Molar mass of Br = $22.989770 + 79.904 = 102.9 \text{ g/mol}$

5. $(\text{NH}_4)_2\text{S}$

Molar mass of $(\text{NH}_4)_2\text{S}$ = (2 x Molar mass of N) + (8 x Molar mass of H) +
Molar mass of S = $28.0134 + 8.06352 + 32.065 = 68.1 \text{ g/mol}$

6. $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$

Molar mass of $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$ = Molar mass of Zn + (4 x Molar mass of C) +
(6 x Molar mass of H) + (4 x Molar mass of O) = $65.409 + 48.04 + 6.047 + 63.99 = 183.48 \text{ g/mol}$

7. UF_6

Molar mass of UF_6 = Molar mass of U + (6 x Molar mass of F) = $238.03 + 114 = 352.03 \text{ g/mol}$

8. $\text{Ga}_2(\text{SO}_3)_3$

Molar mass of $\text{Ga}_2(\text{SO}_3)_3$ = (2 x Molar mass of Ga) + (3 x Molar mass of S) +
(9 x Molar mass of O) = $139.44 + 96.21 + 144 = 379.65 \text{ g/mol}$