MOLAR MASS PRACTICE WORKSHEET

Calculate the molar masses of the following chemical compounds.

1) NaBr

2) AgF

3) $(NH_4)_2S$

4) $PbSO_4$

5) $C_6H_{12}O_6$

6) $Ca(OH)_2$

7) KOH

8) $Mg(OH)_2$
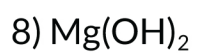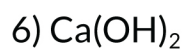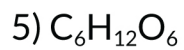
MOLAR MASS PRACTICE WORKSHEET

1) NaBr

Molar mass of NaBr = Molar mass of Na + Molar mass of Br = 23 + 79.9 = 102.9 g/mol

2) AgF

Molar mass of AgF = Molar mass of Ag + Molar mass of F = 107.8 + 18.99 = 126.79 g/mol

3) $(NH_4)_2S$

Molar mass of $(NH_4)_2S$ = (2 x Molar mass of N) + (8 x Molar mass of H) +
Molar mass of S = (2 x 14.0067) + (8 x 1.007) + 32.065 = 28.0134 + 8.056 + 32.065 =
68.1344 g/mol

4) $PbSO_4$

Molar mass of $PbSO_4$ = Molar mass of Pb + Molar mass of S + (4 x Molar mass of O) =
207.2 + 32.065 + (4 x 16.00) = 303.26 g/mol

5) $C_6H_{12}O_6$

Molar mass of $C_6H_{12}O_6$ = (6 x Molar mass of C) + (12 x Molar mass of H) +
(6 x Molar mass of O) = (6 x 12.011) + (12 x 1.007) + (6 x 16.00) = 72.066 + 12.084 + 96 =
180.15 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)
= 40.078 + (2 x 16.00) + (2 x 1.007) = 40.078 + 32 + 2.014 = 74.092 g/mol

7) KOH

Molar mass of KOH = Molar mass of K + Molar mass of O + Molar mass of H = 39.0983 +
16.00 + 1.007 = 56.1 g/mol

8) $Mg(OH)_2$

Molar mass of $Mg(OH)_2$ = Molar mass of Mg + (2 x Molar mass of O) +
(2 x Molar mass of H) = 24.305 + (2 x 16.00) + (2 x 1.007) = 24.305 + 32 + 2.014 =
58.319 g/mol