MOLAR MASS
CALCULATION WORKSHEET

Calculate the molar masses of the following.

1. KOH

2. Cl_2

3. NaCl

4. Fe_2O_3

5. $FeCl_3$

6. SO_2

7. $(NH_4)_2SO_4$

8. Na_2O

MOLAR MASS
CALCULATION WORKSHEET

Answers

1. KOH

Molar mass of KOH = Molar mass of K + Molar mass of O + Molar mass of H = 39.1 + 16 + 1.01 = 56.11 g/mol

2. Cl_2

Molar mass of Cl_2 = 2 x Molar mass of Cl = 71 g/mol

3. NaCl

Molar mass of NaCl = Molar mass of Na + Molar mass of Cl = 22.99 + 35.45 = 58.44 g/mol

4. Fe_2O_3

Molar mass of Fe_2O_3 = (2 x Molar mass of Fe) + (3 x Molar mass of O) = 111.7 + 48 = 159.7 g/mol

5. $FeCl_3$

Molar mass of $FeCl_3$ = Molar mass of Fe + (3 x Molar mass of Cl) = 55.85 + 106.35 = 162.2 g/mol

6. SO_2

Molar mass of SO_2 = Molar mass of S + (2 x Molar mass of O) = 32.065 + 32 = 64.065 g/mol

7. $(NH_4)_2SO_4$

Molar mass of $(NH_4)_2SO_4$ = (2 x Molar mass of N) + (8 x Molar mass of H) + Molar mass of S + (4 x Molar mass of O) = 28.02 + 8.08 + 64 = 100.1 g/mol

8. Na_2O

Molar mass of Na_2O = (2 x Molar mass of Na) + Molar mass of O = 46 + 16 = 62 g/mol