

Mole Worksheet

- 1) 3.5×10^{-3} moles NH_4Cl = _____ grams NH_4Cl .
- 2) 16.28 grams $\text{HC}_2\text{F}_3\text{O}_2$ = _____ F atoms.
- 3) 1.5 moles ZnSeO_3 = _____ total atoms.
- 4) 200.0 g of $\text{Na}_5\text{P}_3\text{O}_{10}$ = _____ grams of Na.
- 5) 253.0 g NH_3 = _____ molecules NH_3 .
- 6) 12.04×10^{23} molecules of H_2CrO_4 = _____ moles Cr.
- 7) 138.16 g CO_2 = _____ molecules CO_2 .
- 8) 2.640×10^{25} molecules FeSCN = _____ grams FeSCN .

Answers

- 1) 0.19 grams NH_4Cl
- 2) 2.579×10^{23} F atoms
- 3) 4.5×10^{24} total atoms
- 4) 62.50 grams of Na
- 5) 8.959×10^{24} molecules NH_3
- 6) 2.000 moles Cr
- 7) 1.8903×10^{24} molecules CO_2
- 8) 4995 grams FeSCN