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- The gram formula mass of NH_4Cl is
A) 22.4 g/mole B) 28.0 g/mole
C) 53.5 g/mole D) 95.5 g/mole
 - The molar mass of $\text{Ba}(\text{OH})_2$ is
A) 154.3 g/mol B) 155.3 g/mol
C) 171.3 g/mol D) 308.6 g/mol
 - What is the gram formula mass of Li_2SO_4 ?
A) 54 g/mol B) 55 g/mol
C) 110 g/mol D) 206 g/mol
 - What is the gram formula mass of K_2CO_3 ?
A) 138 g/mol B) 106 g/mol
C) 99 g/mol D) 67 g/mol
 - Which sample contains a mole of atoms?
A) 23 g Na B) 24 g C
C) 42 g Kr D) 78 g K
 - One mole of O_2 has approximately the same mass as one mole of
A) CH_4 B) S C) LiH D) Cl_2
 - The total number of moles represented by 20 grams of CaCO_3 is
A) 1 B) 2 C) 0.1 D) 0.2
 - What is the mass in grams of 2.0 moles of NO_2 ?
A) 92 B) 60. C) 46 D) 30.
 - What is the total mass of 2.0 moles of $\text{H}_2(\text{g})$?
A) 1.0 g B) 2.0 g C) 3.0 g D) 4.0 g
 - What is the total mass in grams of 0.75 mole of SO_2 ?
A) 16 g B) 24 g C) 32 g D) 48 g
 - What is the mass in grams of 1.00 mole of O_2 gas?
A) 11.2 B) 16.0 C) 22.4 D) 32.0
 - What is the gram-molecular mass of a compound if 5 moles of the compound has a mass of 100 grams?
A) 5 g/mol B) 20 g/mol
C) 100 g/mol D) 500 g/mol
 - Which quantity is equivalent to 39 grams of LiF?
A) 1.0 mole B) 2.0 moles
C) 0.50 mole D) 1.5 moles
 - The gram molecular mass of CO_2 is the same as the gram molecular mass of
A) CO B) SO_2 C) C_2H_6 D) C_3H_8
 - A sample of a compound contains 65.4 grams of zinc, 12.0 grams of carbon, and 48.0 grams of oxygen. What is the mole ratio of zinc to carbon to oxygen in this compound?
A) 1:1:2 B) 1:1:3 C) 1:4:6 D) 5:1:4
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