

3.05 Moles Grams Conversions

1. What is the mass in grams of 2.0 moles of NO_2 ?
A) 92 B) 60. C) 46 D) 30.
 2. 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
 3. 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
 4. The total number of moles represented by 20 grams of CaCO_3 is
A) 1 B) 2 C) 0.1 D) 0.2
 5. 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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