

Gram-mole Practice Problems

***Show your work and carry your units!!!**

1. What is the mass of 0.30 mole of sulfur?

2. What is the mass of 5.5 mole of silicon?

3. How many moles are there in 45 g of Cl?

4. Change 34 g of lithium to moles.

5. What is the weight of 4.30 mole of sodium?

6. What is the mass of 1.75 mole of Ca?

7. How many moles are there in 85.3 g of P?

8. Change 0.566 g of silver to moles.

Calculating the Molar Mass of the following compounds.

***Show your work!!**

1. HCl

2. SiH₄

3. C₃H₆O₂

4. Fe(NO₃)₃

5. NaCl

6. CaSO₄

7. C₂H₄O₂

8. Sn(CO₃)₂

Gram-Mole Practice Problems

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1. Change 3.4 moles of HCl to grams.
2. Change 8.5 g of SiH_4 to moles.
3. Change 5.20 moles of $\text{C}_3\text{H}_6\text{O}_2$ to grams.
4. Change 13.2 g of $\text{Fe}(\text{NO}_3)_3$ to moles.
5. Change 3.4 moles of NaCl to grams.
6. Change 8.5 g of CaSO_4 to moles.
7. Change 5.20 moles of $\text{C}_2\text{H}_4\text{O}_2$ to grams.
8. Change 13.2 g of $\text{Sn}(\text{CO}_3)_2$ to moles.