

Learning Target: I can convert from moles to grams and grams to moles.



Convert Moles to Grams Video Notes with Video

1. What is the mass in grams of 4.30 moles of Aluminum? (What does 4.30 moles of Al weigh)

1st What is the molar mass of Al? _____

2nd One mole of Al weighs _____

Write the notes as shown at 1:35 seconds in the video. Make sure to include ALL of the steps.

1 mole of Al = _____

2 moles of Al = _____

3 moles of Al = _____

4.30 moles of Al = _____

How do you find the molar mass when going from moles to grams? _____

2. Write the notes for conversion factors as shown in the video at 3:30. INCLUDE ALL THE STEPS.

1 mole Al = _____

4.30 moles Al x _____ = _____ Al

3. How many moles in 127.5 grams of sodium chloride (NaCl)? (What is the molar mass of NaCl)?

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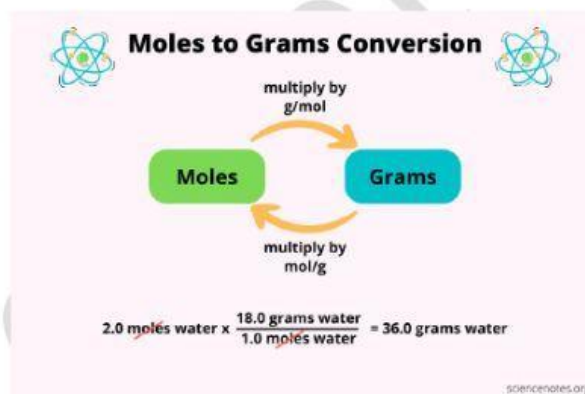
$\text{Na} = 1 \times (\text{ }) + \text{Cl} = 1 \times (\text{ }) =$ The molar mass of $\text{NaCl} = \text{ } \text{g/mol}$

One mole of NaCl weighs = $\text{ } \text{g}$

Now that you know how much 1 mole of NaCl weighs, solve for how many moles in 127.5 grams of sodium chloride (NaCl)?

Basically we are dividing $\text{ } / \text{ } = \text{ } \text{moles}$

Conversion Factor Approach. Write down the conversion factors notes as shown in the video at 8:48.



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