

Conversions! Moles and Grams using Molar Mass

Solve the following problems. You can round the molar mass to the nearest whole number. Remember to use your t-chart to solve for the correct unit. For example, if you need to convert grams to moles, your t-chart will look like this:

() grams	() moles	= () moles
() grams	() moles	

- 1) How many moles are in 15 grams of lithium (Li)?
- 2) How many grams are in 2.4 moles of sulfur (S)?
- 3) How many moles are in 22 grams of argon (Ar)?
- 4) How many grams are in 8.1 moles of magnesium (Mg)?
- 5) How many moles are in 2.3 grams of phosphorus (P)?
- 6) How many grams are in 11.9 moles of chromium (Cr)?
- 7) How many moles are in 9.8 grams of calcium (Ca)?
- 8) How many grams are in 238 moles of arsenic (As)?

Name: _____

Hour: _____

Molar Mass Practice Worksheet

Find the molar masses of the following compounds:

- 1) NaBr
- 2) PbSO₄
- 3) Ca(OH)₂
- 4) Na₃PO₄
- 5) (NH₄)₂CO₃
- 6) C₆H₁₂O₆
- 7) Fe₃(PO₄)₂
- 8) (NH₄)₂S
- 9) Zn(C₂H₃O₂)₂
- 10) AgF