

Name : _____ Date : _____

Chemistry Molar Conversions Worksheet

Using the molar masses of the given substances, complete the following table.

Substance (in grams)	Moles
520 grams Cr	
130 grams K	
0.261 grams Sn	
6.48 grams Be	
6.72 grams N ₂	
2.88 grams H ₂ O	
834 grams Ca(NO ₃) ₂	
1470 grams H ₂ SO ₄	
1.27 x 10 ⁻³ grams C ₂ H ₄	
1.55 grams K ₂ CO ₃	
187 grams Al	
5 grams H ₂	
11 grams CH ₄	
27.4 grams NO ₂	
333 grams SnF ₂	

Space For Rough Work:

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Answers

Substance (in grams)	Moles
520 grams Cr	10 moles
130 grams K	3.32 moles
0.261 grams Sn	2.2×10^{-3} moles
6.48 grams Be	0.72 moles
6.72 grams N ₂	2.4 moles
2.88 grams H ₂ O	0.16 moles
834 grams Ca(NO ₃) ₂	5.08 moles
1470 grams H ₂ SO ₄	15 moles
1.27×10^{-3} grams C ₂ H ₄	4.52×10^{-5} moles
1.55 grams K ₂ CO ₃	0.0112 moles
187 grams Al	6.93 moles
5 grams H ₂	2.5 moles
11 grams CH ₄	0.688 moles
27.4 grams NO ₂	0.596 moles
333 grams SnF ₂	2.13 moles

Space For Rough Work: