

GRAMS TO MOLES CALCULATIONS WORKSHEET

Complete the following table with the appropriate information.

Weight of the Substance	Moles
30 grams of H_3PO_4	
12.3 grams of CO_2	
436.8 grams of C_6H_6	
25 grams of HF	
537.2 grams of ZnO	
110 grams of NaHCO_3	
1.1 grams of FeCl_3	
4202.5 grams of BaCO_3	
564 grams of Cu	
462 grams of $\text{Cu}(\text{CN})_2$	
1.5 grams of SmO	
89 grams of $\text{Pb}(\text{CH}_3\text{COO})_4$	
941.2 grams of K_2SO_4	
159.6 grams of $(\text{NH}_4)_3\text{PO}_3$	
987 grams of $\text{Ra}(\text{OH})_2$	
34679.3 grams of NI_3	

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Answers

Weight of the Substance	Moles
30 grams of H_3PO_4	0.31
12.3 grams of CO_2	0.28
436.8 grams of C_6H_6	5.6
25 grams of HF	1.25
537.2 grams of ZnO	6.6
110 grams of NaHCO_3	1.31
1.1 grams of FeCl_3	0.0068
4202.5 grams of BaCO_3	21.3
564 grams of Cu	0.11
462 grams of $\text{Cu}(\text{CN})_2$	4
1.5 grams of SmO	9.3×10^{-3}
89 grams of $\text{Pb}(\text{CH}_3\text{COO})_4$	0.2
941.2 grams of K_2SO_4	5.4
159.6 grams of $(\text{NH}_4)_3\text{PO}_3$	1.2
987 grams of $\text{Ra}(\text{OH})_2$	3.8
34679.3 grams of NI_3	88.4