

MOLECULAR WEIGHT & MOLES WORKSHEET

1. Complete the following table.

Weight	Moles
25 g NaCl	
18.5 g KCl	
268.6 g KMnO_4	
125 g H_2SO_4	
68 g $\text{Cu}(\text{NO}_3)_2$	
98.3 g $\text{Al}(\text{OH})_3$	
2.3 g P	
77 g S	

2. Complete the following table

Moles	Weight (in grams)
2.5 moles of NaCl	
1.11 moles of $\text{Mn}_3(\text{SO}_4)_7$	
0.5 moles of H_2SO_4	
4.5 moles of NaF	
0.02 moles of BeI_2	
238 moles of As	
0.24 moles of Ca	
2.2 moles of Li	

Name : _____

Date : _____

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Answers

1. Complete the following table.

Weight	Moles
25 g NaCl	0.43
18.5 g KCl	0.25
268.6 g KMnO_4	1.7
125 g H_2SO_4	1.3
68 g $\text{Cu}(\text{NO}_3)_2$	0.7
98.3 g $\text{Al}(\text{OH})_3$	1.26
2.3 g P	0.074
77 g S	2.4

2. Complete the following table

Moles	Weight (in grams)
2.5 moles of NaCl	145
1.11 moles of $\text{Mn}_3(\text{SO}_4)_7$	929
0.5 moles of H_2SO_4	49
4.5 moles of NaF	190
0.02 moles of BeI_2	5.3
238 moles of As	17800
0.24 moles of Ca	9.8
2.2 moles of Li	15

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