



# Mass to Mole Conversion Worksheet



Complete the following table.

Substance (in grams)	Moles
25.5 g NH <sub>3</sub>	
63.76 g H <sub>2</sub> SO <sub>4</sub>	
27.2 g H <sub>2</sub> O	
2.3 g P	
15 g Li	
15 g C <sub>2</sub> H <sub>6</sub>	
22 g Ar	
77 g S	
9.8 g Ca	
190 g NaF	
98.3 g Al(OH) <sub>3</sub>	
360 g K <sub>2</sub> S	
5 g BeI <sub>2</sub>	
68 g Cu(OH) <sub>2</sub>	

Name : \_\_\_\_\_ Date : \_\_\_\_\_



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## Answers

Substance (in grams)	Moles
25.5 g NH <sub>3</sub>	1.5
63.76 g H <sub>2</sub> SO <sub>4</sub>	0.65
27.2 g H <sub>2</sub> O	1.51
2.3 g P	0.074
15 g Li	2.14
15 g C <sub>2</sub> H <sub>6</sub>	0.49
22 g Ar	0.55
77 g S	2.2
9.8 g Ca	0.24
190 g NaF	4.5
98.3 g Al(OH) <sub>3</sub>	1.26
360 g K <sub>2</sub> S	3.3
5 g BeI <sub>2</sub>	0.02
68 g Cu(OH) <sub>2</sub>	0.7

Name : \_\_\_\_\_ Date : \_\_\_\_\_