

Mole Conversions Worksheet



Complete the following table.

Sample Provided	Moles
12.04×10^{23} atoms of He	
3.01×10^{23} atoms of Cu	
3.612×10^{23} atoms of Fe	
1 atom of S	
100 atoms of Ar	
24 grams of C	
59.3 grams of Sn	
5000 grams of K	
0.005 grams of Ne	
230 grams of Na	
1.08×10^{-6} grams of B	
1.8×10^{24} atoms of Li	
6.02×10^{20} atoms of Cd	
1.51×10^{25} atoms of Kr	
261.1 grams of Sn	
5.12×10^{24} atoms of Ca	
0.059 grams of Au	

Name : _____ Date : _____

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Answers

Sample Provided	Moles
12.04×10^{23} atoms of He	2
3.01×10^{23} atoms of Cu	0.5
3.612×10^{23} atoms of Fe	0.6
1 atom of S	1.66×10^{-24}
100 atoms of Ar	1.66×10^{-22}
24 grams of C	2
59.3 grams of Sn	0.5
5000 grams of K	127.9
0.005 grams of Ne	2.5×10^{-4}
230 grams of Na	10
1.08×10^{-6} grams of B	1×10^{-7}
1.8×10^{24} atoms of Li	3
6.02×10^{20} atoms of Cd	0.001
1.51×10^{25} atoms of Kr	25
261.1 grams of Sn	2.2
5.12×10^{24} atoms of Ca	8.5
0.059 grams of Au	3×10^{-4}

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