NameSTOICHIOMETRY PROBLEMS			
Moles of Elements—Two-Step Problems (co	ontinued)		
Exercises  Begin each problem by sketching a diagram that outline solution to the problem.	es the steps in the		
Convert to mass in grams.  1. 6.02 × 10 <sup>23</sup> atoms Ca  2. 1.204 × 10 <sup>23</sup> atoms Bi  3. 3.01 × 10 <sup>23</sup> atoms Ni  4. 1000 atoms Al  5. 1 atom Na	1		
Convert to number of atoms.  6. 540 grams Al  7. 294 grams Au	6 7		

8. 6.35 grams Cu9. 2000 grams Mg

**10.** 1.00 gram Li

10.

NameSTOICHIOMETRY PROBLEMS		<i>y</i>
Moles of Compounds—Two-Step Problems (con	ntinued)	-
Exercises  Begin each problem by sketching a diagram that outlines the	e steps in the	
Solution to the problem.  Convert to number of molecules.		
<ol> <li>72 grams HCl</li> <li>9.0 grams H<sub>2</sub>O</li> <li>22 grams CO<sub>2</sub></li> <li>500 grams NO</li> </ol>	1 2 3	_
5. 1.00 gram CCl <sub>4</sub> Convert to mass in grams.	5	
<ol> <li>6. 6.02 × 10<sup>23</sup> molecules Cl<sub>2</sub></li> <li>7. 3.01 × 10<sup>23</sup> molecules SO<sub>2</sub></li> <li>8. 1.81 × 10<sup>24</sup> molecules CO<sub>2</sub></li> <li>9. 1000 molecules H S</li> </ol>	6 7 8	
<b>6.</b> $6.02 \times 10^{23}$ molecules $\text{Cl}_2$ <b>7.</b> $3.01 \times 10^{23}$ molecules $\text{SO}_2$	7.	70

10. 1 molecule H<sub>2</sub>O