

## Relationships Derived from a Balanced Chemical Equation

1. Complete the missing information in the tables given below.

Table 7.1.1

Chemical Equation	$\text{N}_2(\text{g}) + 2\text{O}_2(\text{g}) \rightarrow 2\text{NO}_2(\text{g})$		
Molecules		<b>2 Molecules</b>	
Moles	<b>1 Mole</b>		
Mass			<b>92 grams</b>

Table 7.1.2

Chemical Equation	$\text{P}_4(\text{s}) + 5\text{O}_2(\text{g}) \rightarrow \text{P}_4\text{O}_{10}(\text{s})$		
Molecules			
Moles			
Mass			