

Counting Atoms and Molecules

Analyze each chemical formula and indicate how many particles of each type are represented.

How many molecules of C_3H_8 ? _____

How many atoms of C? _____

How many atoms of H? _____

How many molecules of $KClO_3$? _____

How many atoms of K? _____

How many atoms of Cl? _____

How many atoms of O? _____

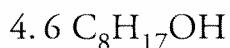
How many molecules of $(NH_4)_2SO_4$? _____

How many atoms of N? _____

How many atoms of H? _____

How many atoms of S? _____

How many atoms of O? _____

How many molecules of $C_8H_{17}OH$? _____

How many atoms of C? _____

How many atoms of H? _____

How many atoms of O? _____

9.2 – Balancing Chemical Equations.... More practice

1. When sodium is combined with water it explodes producing sodium hydroxide and hydrogen gas.

2. When ammonia burns in oxygen it produces water vapor and nitrogen dioxide gas.

