

# Counting Atoms Worksheet

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Read each statement carefully and fill in the blanks with the correct number of atoms for each element mentioned.

1. A molecule of water ( $\text{H}_2\text{O}$ ) has \_\_\_ hydrogen atoms and \_\_\_ oxygen atom.
2. Carbon dioxide ( $\text{CO}_2$ ) consists of \_\_\_ carbon atom(s) and \_\_\_ oxygen atoms.
3. Methane ( $\text{CH}_4$ ) is composed of \_\_\_ carbon atom(s) and \_\_\_ hydrogen atoms.
4. Ethanol ( $\text{C}_2\text{H}_5\text{OH}$ ) contains \_\_\_ carbon atoms, \_\_\_ hydrogen atoms, and \_\_\_ oxygen atom.
5. Glucose ( $\text{C}_6\text{H}_{12}\text{O}_6$ ) has \_\_\_ carbon atoms, \_\_\_ hydrogen atoms, and \_\_\_ oxygen atoms.
6. Sodium chloride ( $\text{NaCl}$ ) is made up of \_\_\_ sodium atom(s) and \_\_\_ chlorine atom(s).