

# Counting Atoms Worksheet

**Complete the chemical formulas based on the description given.**

1. A molecule with 3 oxygen atoms and 1 phosphorus atom is called \_\_\_\_\_.
2. A compound with 1 carbon, 4 hydrogen, and 1 oxygen atoms is commonly known as \_\_\_\_\_.

**Discuss how the structure of a molecule influences its properties and the methods you found most effective for counting atoms.**

**Calculate the total number of atoms in the following quantities of molecules**

- 5 molecules of  $\text{N}_2\text{O}$  (Laughing Gas)
- 3 molecules of  $\text{CH}_4$  (Methane)