

# Counting Atoms Worksheet

## Section 1: Biochemical Molecules

1.  $C_{12}H_{22}O_{11}$  (Sucrose)
  - Count the number of each atom.
  - What is the role of sucrose in plant biology?
2.  $C_5H_{11}NO_2S$  (Methionine, an amino acid)
  - Count the number of each atom.
  - Why is methionine essential for human health?

## Section 2: Drawing Molecules

1. Draw Water ( $H_2O$ )
  - Use **blue** for **hydrogen** and **red** for **oxygen**.
2. Draw Carbon Dioxide ( $CO_2$ )
  - Use **black** for carbon and **Orange** for **oxygen**.
3. Draw Ammonia ( $NH_3$ )
  - a. Use **Green** for **nitrogen** and **white** for **hydrogen**.

## Section 3: True or False

1. Water has 2 types of atoms.
2. Methane has 4 oxygen atoms.