

# Counting Atoms Worksheet

For each compound listed below, identify the number of each type of atom present and fill in the table accordingly.

S.No.	Compound	Elements and Atom Count	Total Atoms
1	H <sub>2</sub> O	Hydrogen: __, Oxygen: __	
2	CO <sub>2</sub>	Carbon: __, Oxygen: __	
3	NH <sub>3</sub>	Nitrogen: __, Hydrogen: __	
4	CH <sub>4</sub>	Carbon: __, Hydrogen: __	
5	NaCl	Sodium: __, Chlorine: __	

## Exploring More Complex Molecules

### 1) Glucose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>)

- Count the number of carbon (C), hydrogen (H), and oxygen (O) atoms.
- Question: How is glucose used by our bodies?

### 2) Ammonium Nitrate (NH<sub>4</sub>NO<sub>3</sub>)

- Count the number of nitrogen (N), hydrogen (H), and oxygen (O) atoms.
- Question: What are some uses of ammonium nitrate in agriculture?