

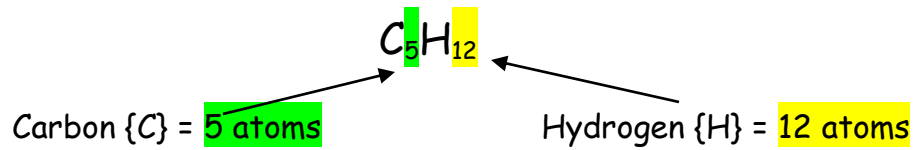
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Counting Atoms

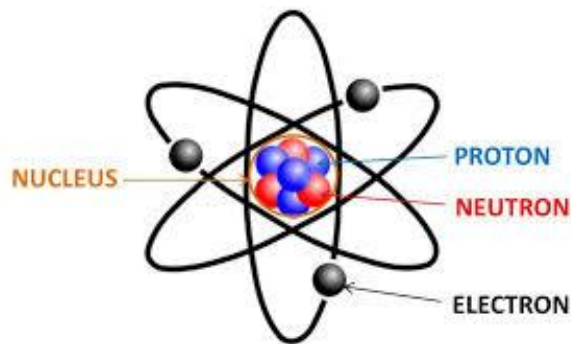
The What

The **FORMULA** for a compound (more than 2 elements) tells you how many atoms are present.

For Example: The **formula** tells you that there are 2 elements (C & H)



The **FORMULA** is like a recipe for the substance it is creating.



Directions:

-Complete the chart by:

Naming the ELEMENTS used in the FORMULA

Counting how many atoms for each element is present in the FORMULA.

Name	What it's Used For	Formula	Elements Names	# of Atoms
Asprin	Pain Reliever	$C_9H_8O_4$	C = H = O =	C = _____ H = _____ O = _____
Calcium Carbonate	Limestone	$CaCO_3$	Ca= C= O =	Ca= _____ C = _____ O = _____

Name	What it's Used For	Formula	Elements Names	# of Atoms
Water	Hydration	H ₂ O	H = O =	H= _____ O= _____
Silicon Dioxide	Sand	SiO ₂	Si= O =	Si= _____ O= _____
Iron Oxide	Rust	Fe ₂ O ₃	Fe= O =	Fe= _____ O= _____
Butane	Lighter Fluid	C ₄ H ₁₀	C= H =	C= _____ H= _____

Name	What it's Used For	Formula	Elements Names	# of Atoms
Carbon Dioxide	Gas	CO_2	C= O=	C= _____ O= _____
Sucrose	Sugar	$C_{12}H_{22}O_{11}$	C= H= O=	C= _____ H = _____ O= _____