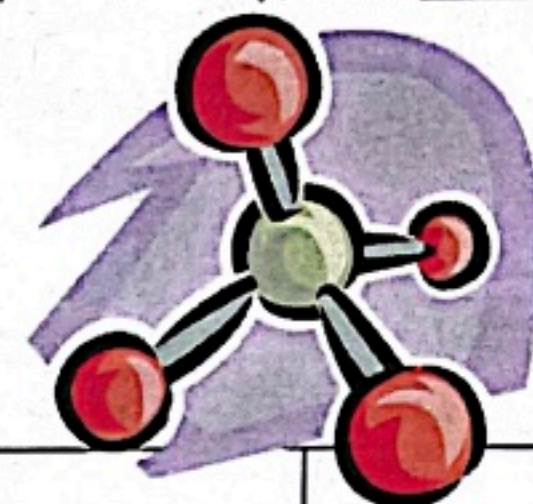


Name: Miss Watson

Hour: \_\_\_\_\_

# Atoms, Elements, Molecules, and Compounds - Oh My!

Learning Objective: Develop models to describe the atomic composition of simple molecules and extended structures.


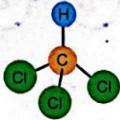

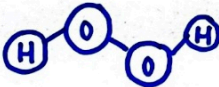



Chemical Formula or Symbol	Element, Molecule, Compound? (write ALL that apply)	Ball & Stick Model Drawing	Number of Atoms of Each Element (symbol = #)	Total Number of Atoms	Number of Molecules	Number of Elements
H <sub>2</sub> O	Molecule Compound		Hydrogen = 2 Oxygen = 1	3	1	2
CH <sub>4</sub>	Molecule Compound		Carbon = 1 Hydrogen = 4	5	1	2
Br <sub>2</sub>	Element Molecule		Bromine = 2	2	1	1
CaCl <sub>2</sub>	Molecule Compound		Calcium = 1 Chlorine = 2	3	1	2



Name: Miss Watson

Hour: \_\_\_\_\_

Co	Element		Cobalt = 1	1	0	1
CHCl <sub>3</sub>	Molecule Compound		Carbon = 1 Hydrogen = 1 Chlorine = 3	5	1	3
O <sub>3</sub>	Element Molecule		Oxygen = 3	3	1	1
H <sub>2</sub> O <sub>2</sub>	Molecule Compound		Hydrogen = 2 Oxygen = 2	4	1	2
Ni	Element		Nickle = 1	1	0	1

Learning Objective: Develop models to describe the atomic composition of simple molecules and extended structures.