

Names: _____

ANS Key

Atoms, Elements, Compounds & Molecules
Learning Activity Sheet

Formula	List element(s) in formula	Number of each element	Total number of atoms	Classify as atom, element, compound or molecule (some might be classified as more than one)	Drawing
CaO	Calcium Oxygen	1 1	2	molecule compound	
H ₂	Hydrogen	2	2	molecule element	
S	sulfur	1	1	atom element	
O ₃	oxygen	3	3	molecule element	
Pb	lead	1	1	atom element	

Names: _____

P_4	Phosphorus	4	4	molecule element	
SO_2	Sulfur - 1 oxygen - 2	3	3	molecule C.	
Cl_2	chlorine - 2	2	2	M E	
NH_3	Nitrogen - 1 Hydrogen - 3	4	4	M C	
$NaClO$	Sodium - 1 Chlorine - 1 oxygen - 1	3	3	M C	
Fe_2O_3	Iron - 2 oxygen - 3	5	5	M C	

Names: _____

Ag	Silver	1	1	A E	
MgBr ₂	Magnesium - 1 Bromine - 2	1 2	3	M C.	
NaOH	Sodium - 1 Oxygen - 1 hydrogen - 1	1 1 1	3	M C.	
CaF ₂	Calcium - 1 fluorine - 2	1 2	3	M C	
H ₂ SO ₄	Hydrogen - 2 Sulphur - 1 Oxygen - 4	2 1 4	7	M C	
CO	Carbon - 1 oxygen - 1	1 1	2	M C	

Names: _____

CaSO₄	Calcium - 1 sulfur - 1 oxygen - 4	6	M C	
LiBr	Lithium - 1 Bromine - 1	2	M C	
H₂CO₃	Hydrogen - 2 Carbon - 1 Oxygen - 3	6	M C	
CH₃CO₂H	Carbon - 2 hydrogen - 4 oxygen - 2	8	M C	
CH₃CH₂OH	Carbon - 2 Hydrogen - 6 Oxygen - 1	9	M C	