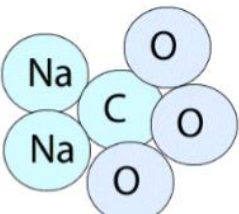
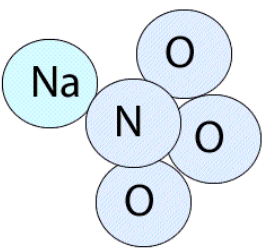
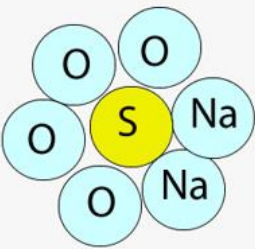
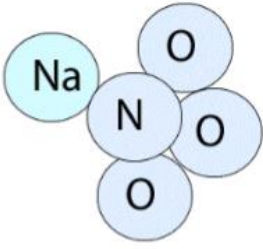
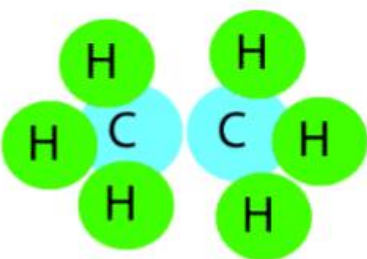
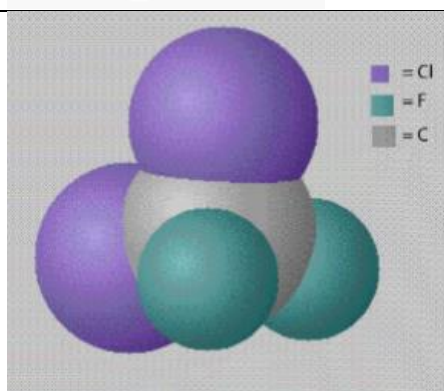
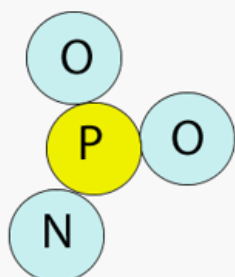
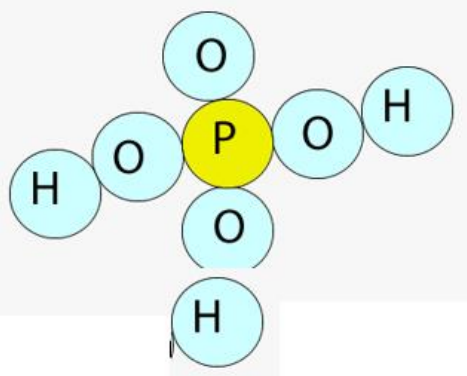
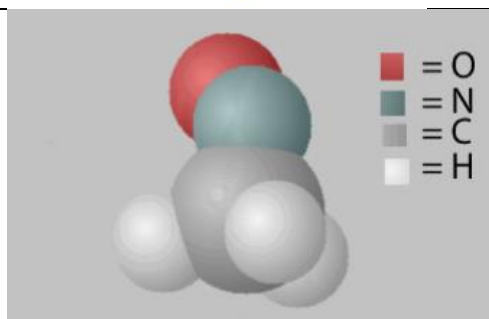
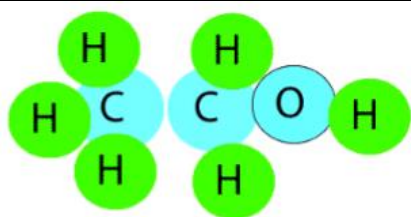
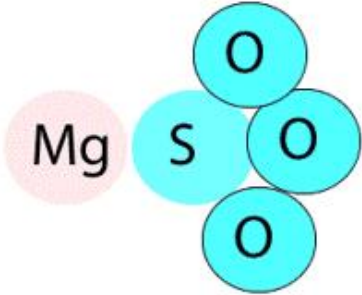


From picture to formula

Complete the table below, the first few are done for you.

Particle	Chemical formula
	
	
	
	
	



	
<p>The smallest particle of Calcium sulfate is composed of one calcium atom, one sulfur atom and 4 atoms of oxygen.</p>	
<p>The smallest particle of vinegar is composed of two atoms of carbon, 4 atoms of hydrogen and 2 atoms of oxygen.</p>	
<p>Calcium carbonate is the chemical name for marble. The smallest particle of calcium carbonate contains, one atom of carbon, three atoms of oxygen and one atom of calcium.</p>	
<p>The smallest particle of sodium phosphate is composed of one atom of phosphorus, four atoms of oxygen and three atoms of sodium. You are communicating with a scientist from a different country who only understands chemical formulae. What is the chemical formula of sodium phosphate?</p>	
<p>Nitromethane is a very powerful fuel releasing a great deal of energy when it is burnt. It is used in high powered motor car racing. The smallest particle (molecule) of nitromethane consists of one atom of nitrogen, one atom of carbon, three atoms of hydrogen and two atoms of oxygen. What is the chemical formula of nitromethane.</p>	
<p>A strange compound whose smallest particle consists of two atoms of oxygen, one atom of sulfur, one atom of carbon and two atoms of carbon was produced by a scientist. What is the formula for this compound.</p>	

Periodic Table

1	Metals																		2																
H Hydrogen																			He Helium																
3	Li Lithium	4	Be Beryllium	5	B Boron	6	C Carbon	7	N Nitrogen	8	O Oxygen	9	F Fluorine	10	Ne Neon							Ar Argon													
11	Na Sodium	12	Mg Magnesi...	13	Al Aluminium	14	Si Silicon	15	P Phosph...	16	S Sulfur	17	Cl Chlorine	18	Ar Argon							Kr Krypton													
19	K Potassium	20	Ca Calcium	21	Sc Scandium	22	Ti Titanium	23	V Vanadium	24	Cr Chromium	25	Mn Mangan...	26	Fe Iron	27	Co Cobalt	28	Ni Nickel	29	Cu Copper	30	Zn Zinc	31	Ga Gallium	32	Ge Germani...	33	As Arsenic	34	Se Selenium	35	Br Bromine	36	Kr Krypton
37	Rb Rubidium	38	Sr Strontium	39	Y Yttrium	40	Zr Zirconium	41	Nb Niobium	42	Mo Molybde...	43	Tc Techneti...	44	Ru Ruthenium	45	Rh Rhodium	46	Pd Palladium	47	Ag Silver	48	Cd Cadmium	49	In Indium	50	Sn Tin	51	Sb Antimony	52	Te Tellurium	53	I Iodine	54	Xe Xenon
55	Cs Caesium	56	Ba Barium	57	La Lanthan...	72	Hf Hafnium	73	Ta Tantalum	74	W Tungsten	75	Re Rhenium	76	Os Osmium	77	Ir Iridium	78	Pt Platinum	79	Au Gold	80	Hg Mercury	81	Tl Thallium	82	Pb Lead	83	Bi Bismuth	84	Po Polonium	85	At Astatine	86	Rn Radon
87	Fr Francium	88	Ra Radium	89	Ac Actinium	104	Rf Rutherford...	105	Db Dubnium	106	Sg Seaborg...	107	Bh Bohrium	108	Hs Hassium	109	Mt Meitner...	110	Ds Darmsta...	111	Rg Roentgen...	112	Cn Coperni...	113	Nh Nihonium	114	Fl Flerovium	115	Mc Moscovi...	116	Lv Livermor...	117	Ts Tennes...	118	Og Oganes...

58 Ce Cerium	59 Pr Praseod...	60 Nd Neodym...	61 Pm Prometh...	62 Sm Samarium	63 Eu Europium	64 Gd Gadolin...	65 Tb Terbium	66 Dy Dyspros...	67 Ho Holmium	68 Er Erbium	69 Tm Thulium	70 Yb Ytterbium	71 Lu Lutetium	90 Th Thorium	91 Pa Protacti...	92 U Uranium	93 Np Neptunium	94 Pu Plutonium	95 Am Americium	96 Cm Curium	97 Bk Berkelium	98 Cf Californ...	99 Es Einstein...	100 Fm Fermium	101 Md Mendele...	102 No Nobelium	103 Lr Lawrenc...
--------------------	------------------------	-----------------------	------------------------	----------------------	----------------------	------------------------	---------------------	------------------------	---------------------	--------------------	---------------------	-----------------------	----------------------	---------------------	-------------------------	--------------------	-----------------------	-----------------------	-----------------------	--------------------	-----------------------	-------------------------	-------------------------	----------------------	-------------------------	-----------------------	-------------------------