Counting Atoms Worksheet

Complete the table with the correct information.

Name of the Compound	Formula	Number of Elements	Compound Uses
Acetic Acid			
Aspirin			
Calcium Biphosphate			
Calcium Carbonate			
Cellulose			
Magnesium Hydroxide			
Paradichlorobenzene			
Pyrite			
Sucrose			
TNT			

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Answers

Name of the Compound	Formula	Number of Elements	Compound Uses
Acetic Acid	CH_3COOH	C - 2 H - 4 O - 2	Component in vinegar
Aspirin	$C_9H_8O_4$	C - 9 H - 8 O - 4	Pain relief
Calcium Biphosphate	$Ca(H_2PO_4)_2$	Ca - 1 H - 4 P - 2 O - 8	Food and drug industry
Calcium Carbonate	$CaCO_3$	Ca - 1 C - 1 O - 3	Limestone
Cellulose	$C_6H_{10}O_5$	C - 6 H - 10 O - 5	Component of wood, used in the making of pencils and paper
Magnesium Hydroxide	$Mg(OH)_2$	Mg - 1 O - 2 H - 2	Component of Milk of Magnesia
Paradichlorobenzene	$C_6H_4C_{12}$	C - 6 H - 4 Cl - 2	Used to kill mildew, mold, and moths
Pyrite	FeS_2	Fe - 1 S - 2	Use to produce sulfur dioxide and sulfuric acid
Sucrose	$C_{12}H_{22}O_{11}$	C - 12 H - 22 O - 11	Component of sugar
TNT	$C_7H_5N_3O_6$	C - 7 H - 5 N - 3 O - 6	Used in explosives