A picture containing text

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| NAME | USE | FORMULA | ATOMS IN FORMULA |
| Calcium Carbonate | Limestone | CaCO3 |  |
| Aspirin | Pain Reliever | C9H8O4 |  |
| Magnesium Hydroxide | Found in Milk of Magnesia | Mg(OH)2 |  |
| Paradichlorobenzene | Moth Balls | C6H4Cl2 |  |
| Acidic Acid | Found in vinegar | C2H4O2 |  |
| Trinitrotoluene  (TNT) | Explosives | C7H5(NO2)3 |  |
| Calcium dihydrogen phosphate | Fertilizer | Ca(H2PO4)2 |  |
| Pyrite | Fool’s Gold | FeS2 |  |
| Sucrose | Sugar | C12H22O11 |  |
| Cellulose | Found in pencil and paper, wood fibers | C6H7O2(OH)3 |  |

**Section B**: Write the name of the elements in order as they appear in the formula from left to right. If the element appears more than once, only write it once, then add its atoms together.

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| **3Na2SO4**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #3 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **2ZnSO4**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #4 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **K2SO4**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #2 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **Ba3(PO4)2** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #2 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **Na2CrO4**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #4 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **4Al2(CO3)3** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #4 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **Pb(NO3)2** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #3 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **4Au(IO3)3** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #4 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **CO2**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_    Total # of atoms \_\_\_\_\_\_  The #2 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **3CaCl2** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #3 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **Cr(NH3)6(NO3)3** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #6 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **5Al(C2H3O2)2** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #3 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |
| **C4H8FCOOH**  # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #8 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |  | **2(NH4)3PO4** # of molecules\_\_\_\_\_\_  # of elements \_\_\_\_\_\_  Name of element: # of atoms:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_  Total # of atoms \_\_\_\_\_\_  The #2 is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (coefficient or subscript) |