**Singles – Write the ion symbol**

**Write your answer first!!!**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Bromide ion | 25 | Phosphide ion | 49 | Bisulfate ion |
| 2 | Carbonate ion | 26 | Phosphate ion | 50 | Chromium (III) ion |
| 3 | Sodium ion | 27 | Bisulfite ion | 51 | Perchlorate ion |
| 4 | Oxide ion | 28 | Potassium ion | 52 | Bromite ion |
| 5 | Bromate ion | 29 | Fluoride ion | 53 | Rubidium ion |
| 6 | Lithium ion | 30 | Magnesium ion | 54 | Beryllium ion |
| 7 | Chloride ion | 31 | Bicarbonate ion | 55 | Copper (II) ion |
| 8 | Calcium ion | 32 | Nitrite ion | 56 | Periodate ion |
| 9 | Nitrate ion | 33 | Copper (I) ion | 57 | Chromium (II) ion |
| 10 | Ammonium ion | 34 | Hypofluorite ion | 58 | Iron (II) ion |
| 11 | Barium ion | 35 | Zinc ion | 59 | Permanganate ion |
| 12 | Hypoiodite ion | 36 | Fluorate ion | 60 | Gold (I) ion |
| 13 | Lead (II) ion | 37 | Dichromate ion | 61 | Manganese (III) ion |
| 14 | Bromite ion | 38 | Iodate ion | 62 | Hypobromite ion |
| 15 | Sulfite ion | 39 | Cobalt (III) ion | 63 | Hydrogen ion |
| 16 | Chromate ion | 40 | Gold (III) ion | 64 | Perbromate ion |
| 17 | Tin (II) ion | 41 | Cadmium ion | 65 | Acetate ion |
| 18 | Cesium ion | 42 | Manganese (II) ion | 66 | Bisulfate ion |
| 19 | Fluorite ion | 43 | Iodide ion | 67 | Silver ion |
| 20 | Iron (III) ion | 44 | Sulfide ion | 68 | Aluminum ion |
| 21 | Cyanide ion | 45 | Perfluorate ion | 69 | Lead (IV) ion |
| 22 | Hydroxide ion | 46 | Cobalt (II) ion | 70 | Sulfate ion |
| 23 | Nitrite ion | 47 | Tin (IV) ion | 71 | Gallium ion |
| 24 | Nitride ion | 48 | Strontium ion | 72 | Chromium (VI) |

**Doubles – Name the compound**

**Write your answer first!!!**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 |  | 25 |  | 49 |  |
| 2 |  | 26 |  | 50 |  |
| 3 |  | 27 |  | 51 |  |
| 4 |  | 28 |  | 52 |  |
| 5 |  | 29 |  | 53 |  |
| 6 |  | 30 |  | 54 |  |
| 7 |  | 31 |  | 55 |  |
| 8 |  | 32 |  | 56 |  |
| 9 |  | 33 |  | 57 |  |
| 10 |  | 34 |  | 58 |  |
| 11 |  | 35 |  | 59 |  |
| 12 |  | 36 |  | 60 |  |
| 13 |  | 37 |  | 61 |  |
| 14 |  | 38 |  | 62 |  |
| 15 |  | 39 |  | 63 |  |
| 16 |  | 40 |  | 64 |  |
| 17 |  | 41 |  | 65 |  |
| 18 |  | 42 |  | 66 |  |
| 19 |  | 43 |  | 67 |  |
| 20 |  | 44 |  | 68 |  |
| 21 |  | 45 |  | 69 |  |
| 22 |  | 46 |  | 70 |  |
| 23 |  | 47 |  | 71 |  |
| 24 |  | 48 |  | 72 |  |

**Triples – Write the formula**

**Write your answer first!!!**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Sodium peroxide | 25 | Manganese (IV) sulfide | 49 | Zinc sulfate |
| 2 | Silver chloride | 26 | Strontium nitrate | 50 | Cadmium nitrate |
| 3 | Potassium carbonate | 27 | Cobalt (II) chloride | 51 | Ammonium chloride |
| 4 | Lithium phosphate | 28 | Silver sulfate | 52 | Potassium phosphate |
| 5 | Tin (II) oxide | 29 | Calcium carbonate | 53 | Sodium nitrate |
| 6 | Cadmium iodide | 30 | Sodium bisulfate | 54 | Potassium sulfite |
| 7 | Ammonium cyanide | 31 | Potassium chloride | 55 | Nickel (III) phosphate |
| 8 | Potassium phosphide | 32 | Sodium iodite | 56 | Lithium phosphide |
| 9 | Iron (II) sulfite | 33 | Barium hydroxide | 57 | Sodium sulfate |
| 10 | Sodium phosphate | 34 | Aluminum nitride | 58 | Iron (II) hydroxide |
| 11 | Gold (I) nitrate | 35 | Magnesium cyanide | 59 | Copper (II) nitrate |
| 12 | Potassium hydroxide | 36 | Gold (III) fluoride | 60 | Iron (III) cyanide |
| 13 | Sodium fluoride | 37 | Potassium nitrate | 61 | Cesium iodide |
| 14 | Ammonium carbonate | 38 | Lithium permanganate | 62 | Sodium nitrite |
| 15 | Sodium permanganate | 39 | Copper (I) bisulfite | 63 | Ammonium sulfate |
| 16 | Nickel (II) sulfate | 40 | Calcium chloride | 64 | Iron (II) chloride |
| 17 | Aluminum chloride | 41 | Nickel (III) cyanide | 65 | Copper (II) oxide |
| 18 | Cobalt (III) sulfide | 42 | Lithium biphosphate | 66 | Potassium sulfide |
| 19 | Rubidium nitride | 43 | Aluminum chlorate | 67 | Iron (II) hypochlorite |
| 20 | Titanium (IV) iodate | 44 | Rubidium oxide | 68 | Calcium nitrate |
| 21 | Lead (II) hydroxide | 45 | Cobalt (III) bromide | 69 | Sodium cyanide |
| 22 | Potassium nitride | 46 | Sodium carbonate | 70 | Strontium phosphate |
| 23 | Barium acetate | 47 | Lead (II) acetate | 71 | Magnesium nitride |
| 24 | Sodium chlorate | 48 | Manganese (II) iodide | 72 | Gallium nitrate |

**Homers – Write the name or formula. Write your answer first!!!**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | phosphoric acid | 25 | hypochlorous acid | 49 | hydroselenic acid |
| 2 | chlorous acid | 26 | H2SO4 | 50 | NO2 |
| 3 | HBrO | 27 | hydrofluoric acid | 51 | HC2H3O2 |
| 4 | SiO2 | 28 | HNO2 | 52 | HCl |
| 5 | H2Se | 29 | CO2 | 53 | chloric acid |
| 6 | HClO | 30 | HBrO | 54 | P2O5 |
| 7 | hydrocyanic acid | 31 | H2S | 55 | HClO2 |
| 8 | chromic acid | 32 | methane | 56 | sulfuric acid |
| 9 | sulfurous acid | 33 | NO | 57 | H3PO4 |
| 10 | HF | 34 | hypoiodous acid | 58 | N2O5 |
| 11 | NH3 | 35 | hydrosulfuric acid | 59 | HBr |
| 12 | CO | 36 | B2O3 | 60 | acetic acid |
| 13 | H2O | 37 | BrI5 | 61 | H2O2 |
| 14 | perchloric acid | 38 | SeF4 | 62 | carbonic acid |
| 15 | HNO3 | 39 | hydrobromic acid | 63 | HClO3 |
| 16 | nitrous acid | 40 | N2O4 | 64 | hypoiodous acid |
| 17 | HBrO2 | 41 | water | 65 | HI |
| 18 | HClO4 | 42 | HIO3 | 66 | CS2 |
| 19 | hydroiodic acid | 43 | Cl2O3 | 67 | HFO |
| 20 | ammonia | 44 | perbromic acid | 68 | N2O |
| 21 | HBr | 45 | H2CO3 | 69 | P2S5 |
| 22 | SF6 | 46 | HCN | 70 | H2SO3 |
| 23 | hydrogen peroxide | 47 | nitric acid | 71 | bromous acid |
| 24 | N2O3 | 48 | CH4 | 72 | hydrosulfuric acid |