**Write** the molecular formula for the ionic compounds formed by the cation and anion pairings shown in the table.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cations** | | | | | | |
| **Anions** |  | **Na+** | **K+** | **Mg2+** | **Ca2+** | **Al3+** | **NH4+** |
| **Cl-** | *e.g. NaCl* |  |  |  |  |  |
| **Br-** |  |  |  |  |  |  |
| **I-** |  |  |  |  |  |  |
| **O2-** |  |  |  |  |  |  |
| **S2-** |  |  |  |  |  |  |
| **OH-** |  |  |  |  |  |  |
| **NO3-** |  |  |  |  |  |  |
| **CO32-** |  |  |  |  |  |  |
| **SO42-** |  |  |  |  |  |  |
| **PO43-** |  |  |  |  |  |  |
| **MnO4-** |  |  |  |  |  |  |

**Write** the molecular formula for the ionic compounds formed by the cation and anion pairings shown in the table.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Cations** | | | | | | |
| **Anions** |  | **Na+** | **K+** | **Mg2+** | **Ca2+** | **Al3+** | **NH4+** |
| **Cl-** | *e.g. NaCl* |  |  |  |  |  |
| **Br-** |  |  |  |  |  |  |
| **I-** |  |  |  |  |  |  |
| **O2-** |  |  |  |  |  |  |
| **S2-** |  |  |  |  |  |  |
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| **PO43-** |  |  |  |  |  |  |
| **MnO4-** |  |  |  |  |  |  |