**Models of Ions**

|  |  |  |
| --- | --- | --- |
| +  **Mg**  2+  + | +  **Mg**  2+  + | +  **Mg**  2+  + |
| +  **Al**  3+ +  + | +  **Al**  3+ +  + | +  **Al**  3+ +  + |
| +  **Fe** 3+ +  + | +  **Fe** 3+ +  + | +  **Fe** 3+ +  + |
| +  **Fe** 2+  + | +  **Fe** 2+  + | +  **Fe** 2+  + |
| **Na** 1+ + | **Na** 1+ + | **Na** 1+ + |
| **K** +1 + | **K** +1 + | **K** +1 + |
| **NH4** +1 + | **NH4** +1 + | **NH4** +1 + |

|  |  |  |
| --- | --- | --- |
| **\_**  **O** 2-  **\_** | **\_**  **O 2-**  **\_** | **\_**  **O 2-**  **\_** |
| **\_ Cl** -1 | **\_ Cl** -1 | **\_ Cl** -1 |
| **\_ NO3--1** | **\_ NO3--1** | **\_ NO3--1** |
| \_ **Br** -1 | \_ **Br** -1 | \_ **Br** -1 |
| **-**  **S** -2  **-** | **-**  **S** -2  **-** | **-**  **S** -2  **-** |
| **-**  **SO4** -2  **-** | **-**  **SO4** -2  **-** | **-**  **SO4** -2  **-** |
| **-**  **- PO4** -3  **-** | **-**  **- PO4** -3  **-** | **-**  **- PO4** -3  **-** |