**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**-** |