Name

Period

Date

***Valence Electrons with Lewis Dot Structures***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Element** | **Group #** | **# of valence electrons** | **Draw the Lewis dot structure** | **Is this element a cation, an anion, or neither?** |
| Mg | 2 | 2 | [http://t0.gstatic.com/images?q=tbn:ANd9GcQNurIxpSUaljRSBLqku__eAEsN66bIm4oXCnGVoCjXbMLGWDJAbA](http://www.google.com/url?sa=i&source=images&cd=&cad=rja&docid=UyFhfSl-ecFj4M&tbnid=qKQY7e3HCwBXjM:&ved=0CAgQjRw&url=http://commons.wikimedia.org/wiki/File:Lewis_dot_Mg.svg&ei=WFylUpDnFurMyQHCz4GgAg&psig=AFQjCNFq6SbcwPgZLUKmClESkY8RpHR6pw&ust=1386655192422117) | cation |
| Rn |  |  |  |  |
| He |  |  |  |  |
| F |  | 7 |  |  |
| Ar |  |  |  |  |
| K |  |  |  | cation |
| Be | 2 |  |  |  |
| Br |  |  | [http://t3.gstatic.com/images?q=tbn:ANd9GcQrpAmpT-EJ6aIhFRASoD7t-yB-_0dgXds3ntLxr-3ig4S2Iz2Z4Q](http://www.google.com/url?sa=i&source=images&cd=&cad=rja&docid=f66HGJhPzJ2tZM&tbnid=Fn57i4ZcMJ3aNM:&ved=0CAgQjRw&url=http://www.webanswers.com/science/chemistry/what-is-the-lewis-dot-structure-for-br3-a18bdb&ei=01ylUsWTIMjgyQGL_4G4Aw&psig=AFQjCNE6XyXsxAWKuViyjjn6hF8HnE0fFQ&ust=1386655315567252) |  |
| P |  |  |  | anion |
| Al |  | 3 |  |  |
| Ga |  |  |  |  |
| S | 16 |  |  |  |
| Na |  |  |  |  |