|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Number of electron Domains around central atom | Number of bonds | Number of lone pairs | Example | Lewis Dot Structure | 3D Shape and  Geometry Name | Bond Angles | Hybridization |
| 4 | 4 | 0 |  |  |  |  |  |
| 4 | 3 | 1 |  |  |  |  |  |
| 4 | 2 | 2 |  |  |  |  |  |
| 4 | 1 | 3 |  |  |  |  |  |
| 3 | 3 | 0 |  |  |  |  |  |
| 2 | 2 | 0 |  |  |  |  |  |

|  |  |
| --- | --- |
| **Number of electron domains** | **Hybridization** |
| **2** | **sp** |
| **3** | **sp2** |
| **4** | **sp3** |