**Shapes of molecules (level 3)**

**i) draw a 3dimensional (3D) arrangement of the atoms in each molecule**

**ii) name the shape of each molecule**

**iii) state the bond angles**

|  |  |  |
| --- | --- | --- |
| ClF5 | SF3- |  |
| PCl6- | SiF62– | I3- |
| ICl2­– | IF5 | PCl3 |
| PCl5 | **SF6** | **SF4** |
| **ClF3** | **AsF5** | IF3 |
| NF3 | **XeF4** | **BrF3** |
| BrF4- | **BrF5** | AsF3 |
| **BF3** | **PF3** | **ICl4-** |

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