**Solutions Chem:**

**Shapes of Molecules (ADV): Quiz 3b**

/5

Answer the following:

1. Complete the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Molecule | 3D Shape (draw it!) | Bonding Pairs | Lone Pairs on Central Atom | Name | Polar or Non-Polar |
| XeF4 |  |  |  |  |  |

*\*Double Bonds are treated as single bonds for repulsion purposes!*

Answers:

1. Complete the table below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Molecule | 3D Shape (draw it!) | Bonding Pairs | Lone Pairs on Central Atom | Name | Polar or Non-Polar |
| XeF4 |  | 4 | 2 | Square Planar | Non-Polar |

*\*Double Bonds are treated as single bonds for repulsion purposes!*