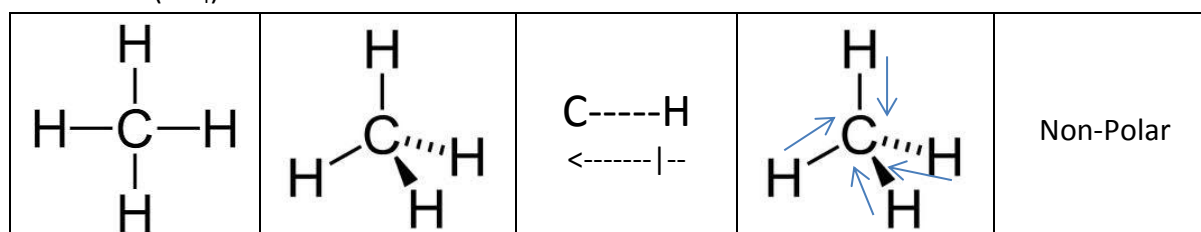


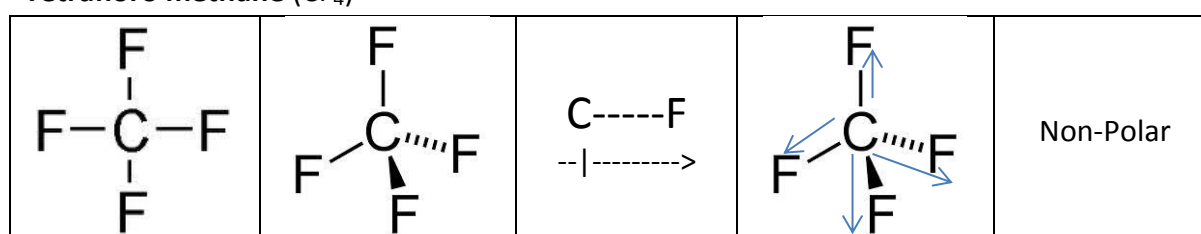
**Question One-** Discuss the polarity of the following molecules. The discussions should include:

- A Lewis diagram
- Shape of the molecule in 3D
- Polarity of bond(s)
- Dipole-moment labelled in 3D shape
- Polarity of molecule

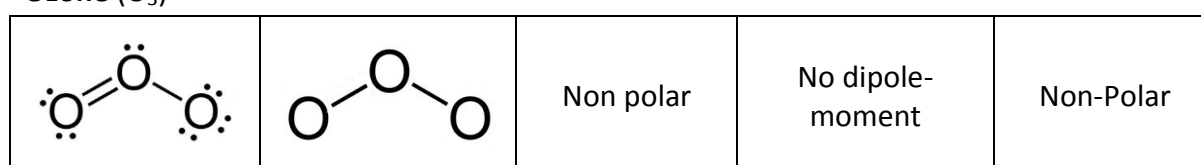
**Methane (CH<sub>4</sub>)**



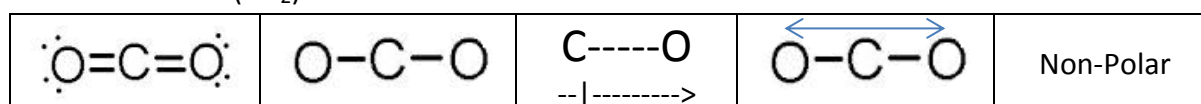
**Tetrafloro methane (CF<sub>4</sub>)**



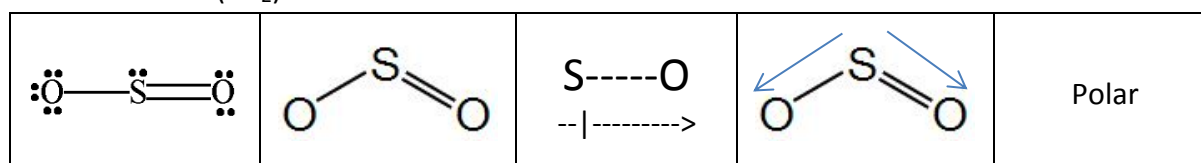
**Ozone (O<sub>3</sub>)**



**Carbon dioxide (CO<sub>2</sub>)**



**Sulfur dioxide (SO<sub>2</sub>)**



**Sulfur trioxide (SO<sub>3</sub>)**

