

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 (CH₄)

Tetrafloro methane (CF₄)

Ozone (O₃)

Carbon dioxide (CO₂)

Sulfur dioxide (SO₂)

Sulfur trioxide (SO₃)