

**Group E: Expanded Octet and Resonance**

| Species                       | Lewis Dot Structure | Electron Pair Geometry | Molecular Shape | Polarity |
|-------------------------------|---------------------|------------------------|-----------------|----------|
| SO <sub>2</sub>               |                     |                        |                 |          |
| SO <sub>3</sub>               |                     |                        |                 |          |
| SO <sub>4</sub> <sup>2-</sup> |                     |                        |                 | -----    |
| HSO <sub>4</sub> <sup>-</sup> |                     |                        |                 | -----    |
| POCl <sub>3</sub>             |                     |                        |                 |          |
| ClO <sub>4</sub> <sup>-</sup> |                     |                        |                 | -----    |