

Name : \_\_\_\_\_ Date : \_\_\_\_\_



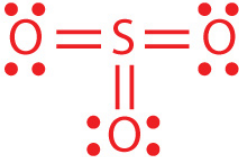
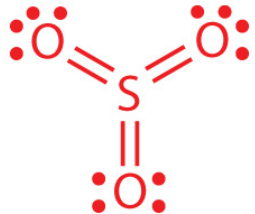


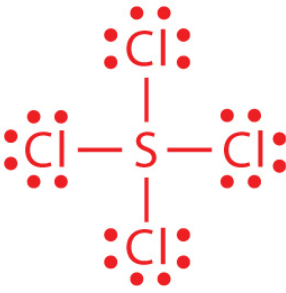
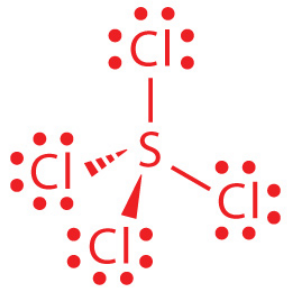
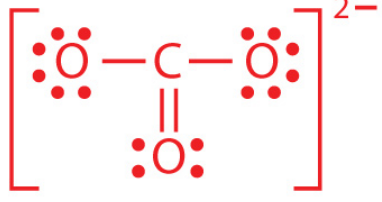
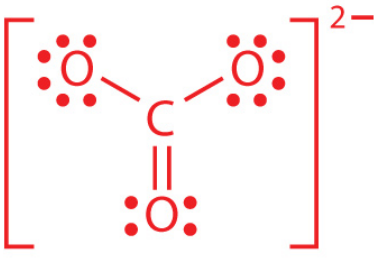
# Lewis Structure and Molecular Geometry

Draw the Lewis structure and the molecular structure of the given molecules. Also, write the molecular geometry.

| Molecular Formula    | Lewis Structure | Molecular Structure | Molecular Geometry |
|----------------------|-----------------|---------------------|--------------------|
| $\text{H}_2\text{O}$ |                 |                     |                    |
| $\text{SO}_3$        |                 |                     |                    |
| $\text{HCN}$         |                 |                     |                    |
| $\text{SiCl}_4$      |                 |                     |                    |
| $\text{CO}_3^{2-}$   |                 |                     |                    |

# Lewis Structure and Molecular Geometry

## Answers

| Molecular Formula    | Lewis Structure   | Molecular Structure  | Molecular Geometry |
|----------------------|---|--|--------------------|
| $\text{H}_2\text{O}$ |    |    | Angular or Bent    |
| $\text{SO}_3$        |    |   | Trigonal pyramidal |
| $\text{HCN}$         |  |  | Linear             |
| $\text{SiCl}_4$      |  |  | Tetrahedral        |
| $\text{CO}_3^{2-}$   |  |  | Trigonal planar    |