

1. Draw **Lewis structures** and indicate the molecular geometry for each of the following compounds:
(Please show valence electrons calculations.)

HCN (C is in center)

Nitrogen trifluoride

Nitrate ion

Arsenate ion

Bromine (Br₂)

Hydrogen (H₂)

2. Draw Lewis structures and indicate the molecular geometry for each of the following compounds:

Sulfur trioxide

Phosphorus pentachloride

Nitrite ion

Carbon tetrachloride

Nitrogen tribromide

Ozone (O₃)

Oxygen (O₂)