

VSEPR Lab-No violation of the Octet Rule

Draw and make the following molecules. Determine the number of total electron pairs and the number of bonding pairs. Determine the electron and molecular geometry.

Molecule	Lewis Structure	Total e ⁻ Pairs On Central Atom	Bonding e ⁻ Pairs On Central Atom	Electron Geometry	Molecular Geometry
CH ₄					
NH ₃					
H ₂ O					
HCl					
CCl ₄					
NO ₃ ⁻¹					
AsH ₃					
SO ₂					
HCN					