

Molecular Shapes

Valence Shell Electron Pair Repulsion Theory (VSEPR)

# of Total e ⁻ Pairs	# Shared e ⁻ Pairs	# Unshared e ⁻ Pairs	Shape Name	Picture	Examples
					CO ₂ , Cl ₂ , SiO ₂
					BF ₃ , CH ₂ O
					CH ₄ , CBr ₄
					NH ₃ , PCl ₃
					SCl ₂ , H ₂ O