

Molecular Geometry Practice

Name: _____

FORMULA	LEWIS STRUCTURE	CENTRAL ATOM	VSEPR
1) NH_4^+ Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
2) BF_3 Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
3) CCl_4 Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
4) CH_2O Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
5) NH_3 Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term

FORMULA	LEWIS STRUCTURE	CENTRAL ATOM	VSEPR
6) SO_4^{2-} Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
7) SO_3 Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
8) PF_5 Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
9) ClO_3^- Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term
10) NH_2^- Total # Val e ⁻ _____		TOTAL # e ⁻ Pairs	Electron Pair Geometry (EPG)
		# BONDED Pairs	Molecular Geometry (MG)
		# LONE Pairs	A.B.E VSEPR Term