

Molecular Polarity Practice

Name: _____

<i>FORMULA</i>	<i>LEWIS STRUCTURE</i>	<i>VSEPR</i>	<i>MOLECULAR POLARITY</i>
1) Cl_2		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e^-		Electron Pair Geometry (EPG)	
Total # e^- Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
<i>FORMULA</i>	<i>LEWIS STRUCTURE</i>	<i>VSEPR</i>	<i>MOLECULAR POLARITY</i>
2) H_2S		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e^-		Electron Pair Geometry (EPG)	
Total # e^- Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
<i>FORMULA</i>	<i>LEWIS STRUCTURE</i>	<i>VSEPR</i>	<i>MOLECULAR POLARITY</i>
3) CF_4		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e^-		Electron Pair Geometry (EPG)	
Total # e^- Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
<i>FORMULA</i>	<i>LEWIS STRUCTURE</i>	<i>VSEPR</i>	<i>MOLECULAR POLARITY</i>
4) H_3O^+		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e^-		Electron Pair Geometry (EPG)	
Total # e^- Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			

FORMULA	LEWIS STRUCTURE	VSEPR	MOLECULAR POLARITY
5) SO₃²⁻		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e⁻		Electron Pair Geometry (EPG)	
Total # e⁻ Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
6) ClO₃⁻		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e⁻		Electron Pair Geometry (EPG)	
Total # e⁻ Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
7) PCl₅		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e⁻		Electron Pair Geometry (EPG)	
Total # e⁻ Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			
8) BrF₃		A.B.E. VSEPR Term	<u>Circle One:</u> Polar / Non-Polar / Ion ? <u>EXPLAIN WHY:</u>
Total # Val e⁻		Electron Pair Geometry (EPG)	
Total # e⁻ Pairs			
# Bonded Pairs		Molecular Geometry (MG)	
# Lone Pairs			