

Name \_\_\_\_\_ Lab Partner This is an individual assignment

<b>Lab Report: Lewis Structures and VSEPR</b>
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<b>CH<sub>2</sub>Cl<sub>2</sub></b> Name: _____			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>NH<sub>3</sub></b> Name: _____			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>NH<sub>4</sub><sup>+</sup></b> Name: _____			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>SF<sub>2</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>NOBr</b> Name: <i>nitrosyl bromide</i>			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>CH<sub>3</sub>OH</b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)	C:	O:	Molecular Shape N/A
Bond Angles			Polarity

<b>CH<sub>2</sub>O</b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>NO<sub>2</sub><sup>-</sup></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>HClO</b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>N<sub>2</sub>H<sub>4</sub></b> Name: <i>hydrazine</i>			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	N/A
Bond Angles		Polarity	

<b>CO<sub>3</sub><sup>2-</sup></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>AsF<sub>5</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>SF<sub>4</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>XeF<sub>2</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>XeF<sub>4</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b><math>\text{BiCl}_5^{2-}</math></b> Name: <i>pentachlorobismuthate (III) ion</i>			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b><math>\text{BrF}_3</math></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b><math>\text{BrF}_5</math></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>SF<sub>6</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>C<sub>2</sub>N<sub>2</sub></b> Name: <i>cyanogen</i>			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>I<sub>3</sub><sup>-</sup></b> Name: <i>triiodide ion</i>			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>ClO<sub>4</sub><sup>-</sup></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>O<sub>3</sub></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	

<b>N<sub>3</sub><sup>-</sup></b> Name:			
Lewis Structure		3D Drawing	
Hybridization of Central Atom(s)		Molecular Shape	
Bond Angles		Polarity	