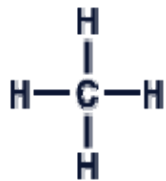
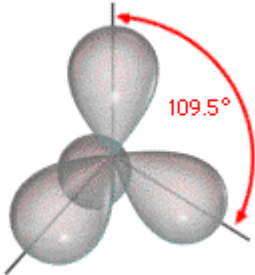
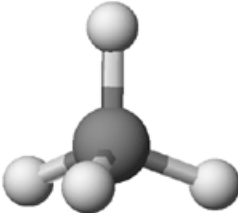
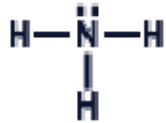
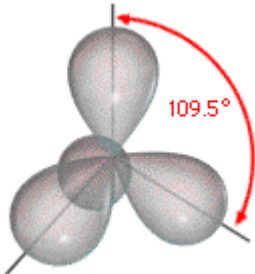


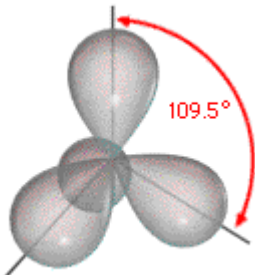
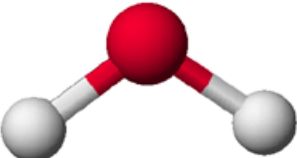
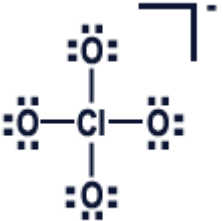
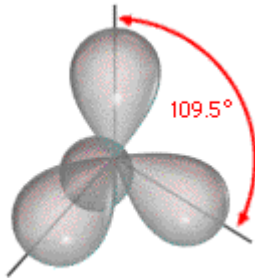
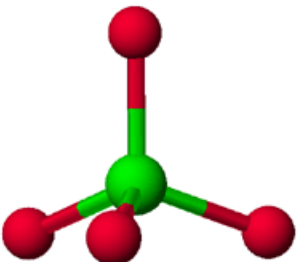
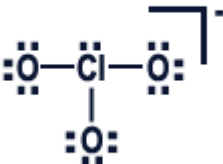
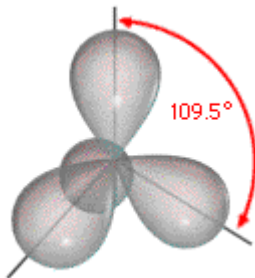
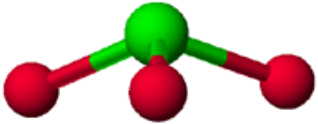
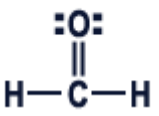
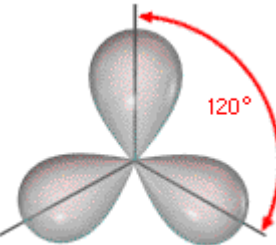
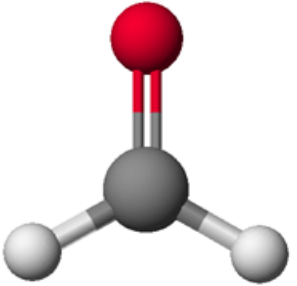


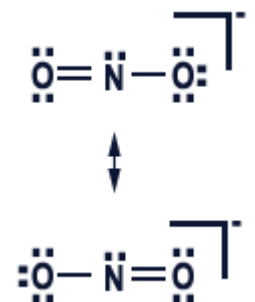
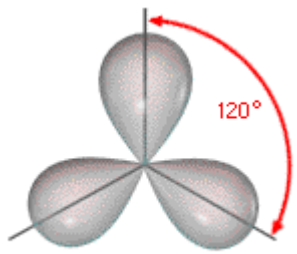
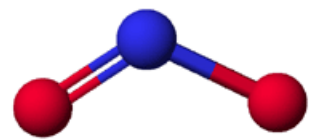
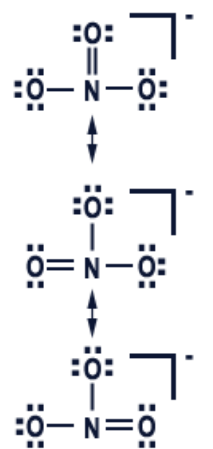
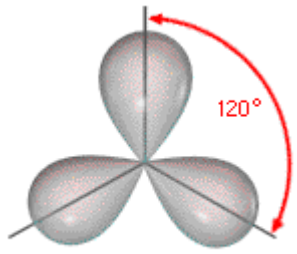
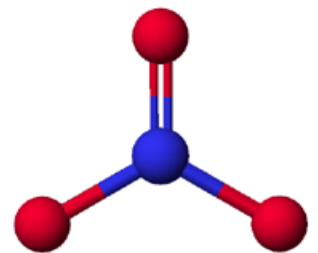
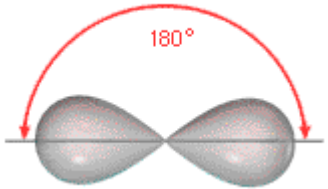

Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 1

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p>CH<sub>4</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>NH<sub>3</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>H<sub>2</sub>O</p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>


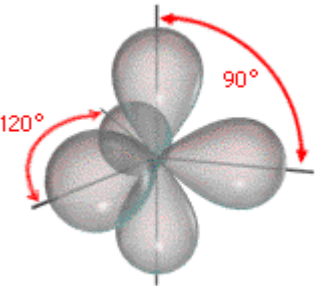
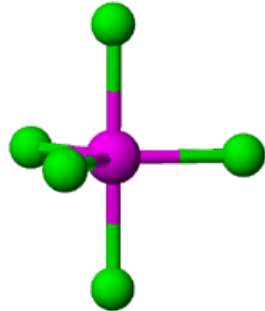

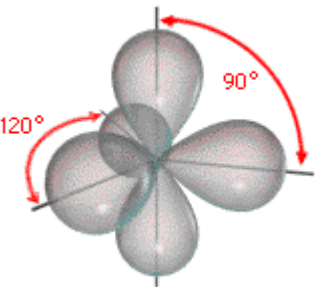
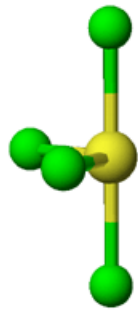
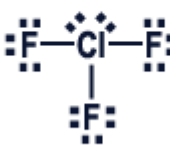
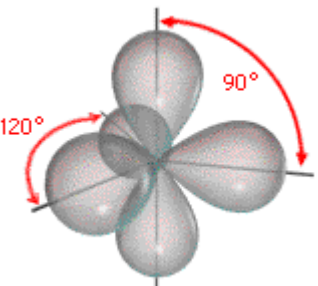
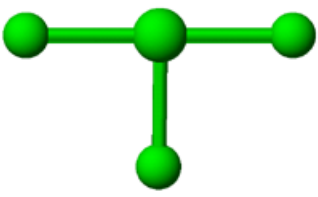
Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 2

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p><math>\text{ClO}_4^-</math> - Class</p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p><math>\text{ClO}_3^-</math> - Class</p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p><math>\text{H}_2\text{CO}</math></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>


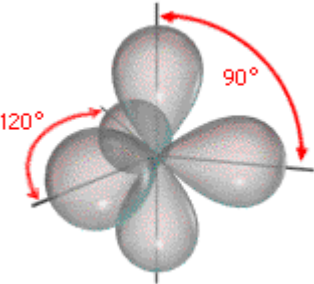


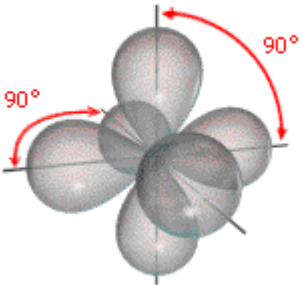
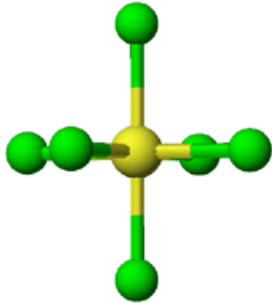

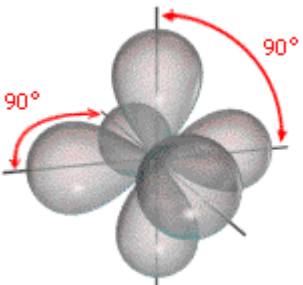
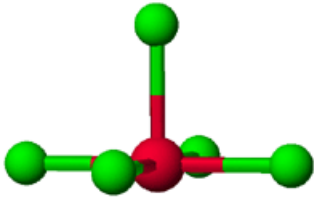
Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 3

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p><math>\text{NO}_2^-</math></p> 	<p>_____</p> <p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p><math>\text{NO}_3^-</math> - Class</p> 	<p>_____</p> <p>_____</p> <p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p><math>\text{HCN}</math></p> <p><math>\text{H}-\text{C}\equiv\text{N}:</math></p>	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>


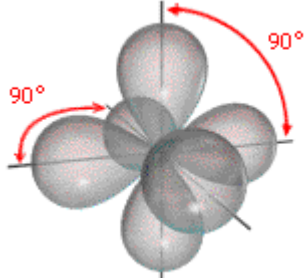

Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 4

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p>PF<sub>5</sub></p> 	<p>_____</p>			<p>_____</p> <p>_____</p>	<p>_____</p>	<p>_____</p>
<p>SF<sub>4</sub></p> 	<p>_____</p>			<p>_____</p> <p>_____</p>	<p>_____</p>	<p>_____</p>
<p>ClF<sub>3</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>

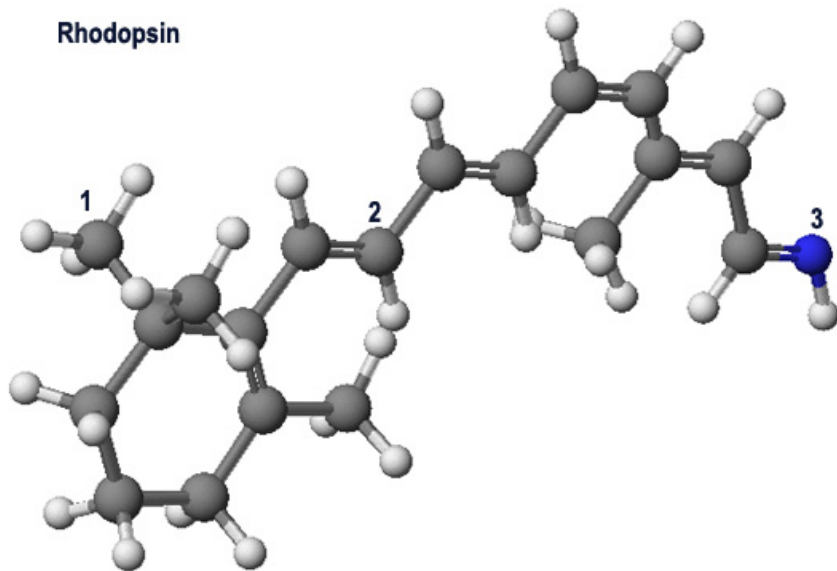
Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 5

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p>XeF<sub>2</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>SF<sub>6</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>
<p>BrF<sub>5</sub></p> 	<p>_____</p>			<p>_____</p>	<p>_____</p>	<p>_____</p>

Molecular Geometry Worksheet ... Summer 2015 ... Whelan ... Page 6

Lewis Structure	Classification	Electron Pair Geometry (EPG)	Molecular Geometry (MG)	Bond Angle(s)	Polarity	Hybridization
<p>XeF<sub>4</sub></p> 	_____			_____	_____	_____

Rhodopsin



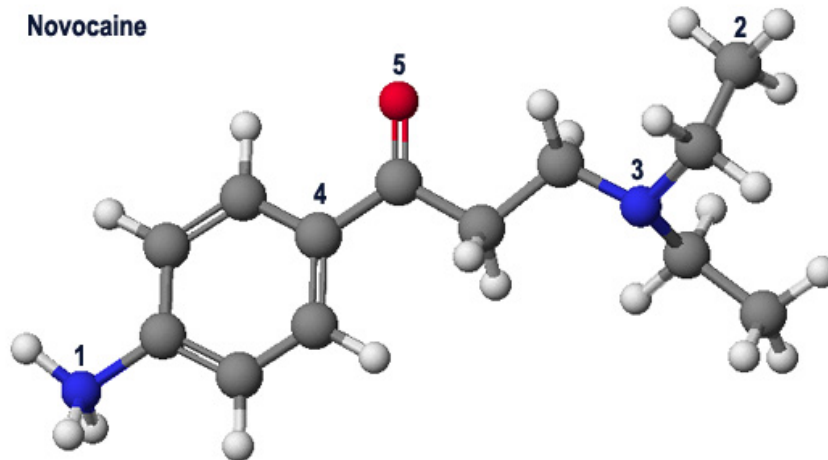
Bond Angles

C-1 \_\_\_\_\_

C-2 \_\_\_\_\_

N-3 \_\_\_\_\_

Novocaine



Bond Angles

N-1 \_\_\_\_\_

C-2 \_\_\_\_\_

N-3 \_\_\_\_\_

C-4 \_\_\_\_\_

O-5 \_\_\_\_\_ O lps - O - C Angle