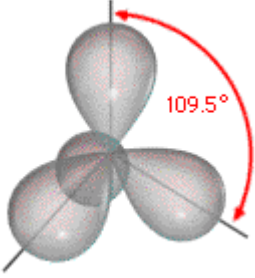
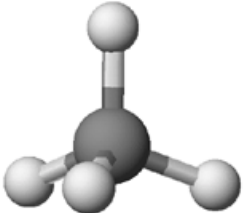
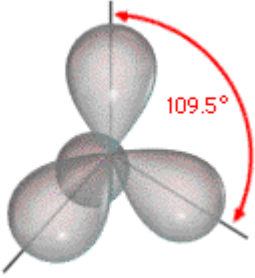

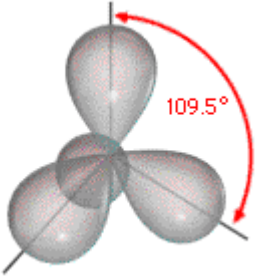
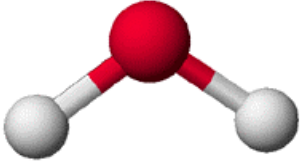
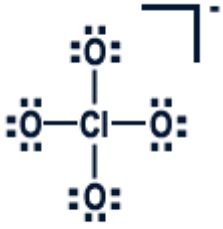
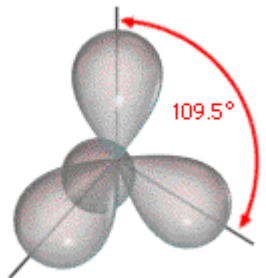
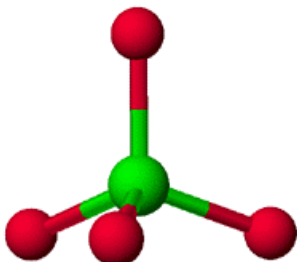
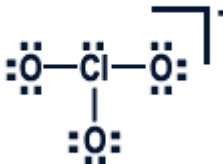
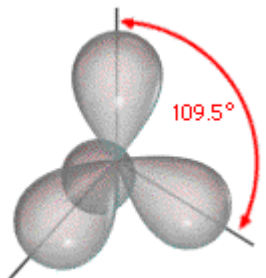
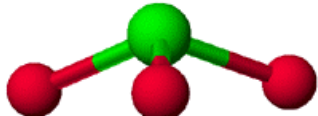
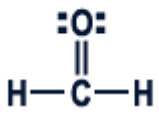
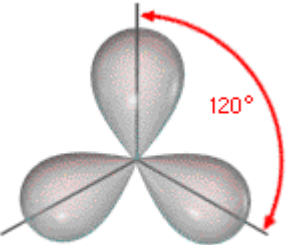
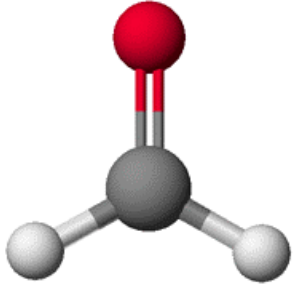


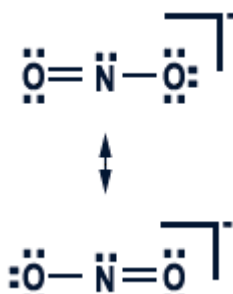
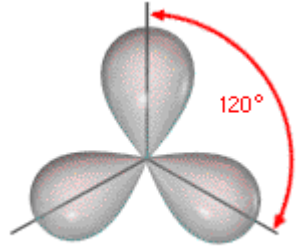
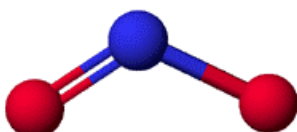
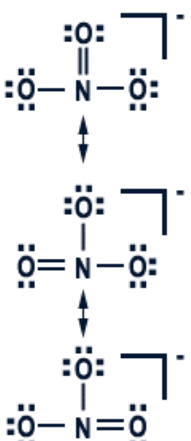
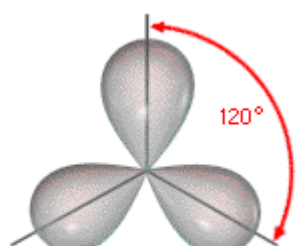
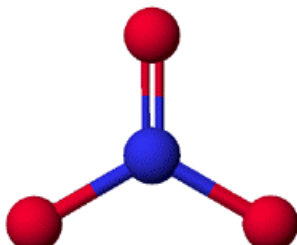
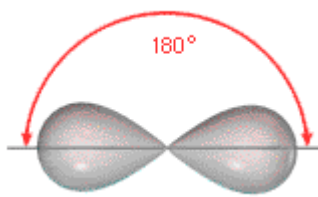

Molecular Geometry Worksheet ... Fall 2004 ... Whelan ... Page 1

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

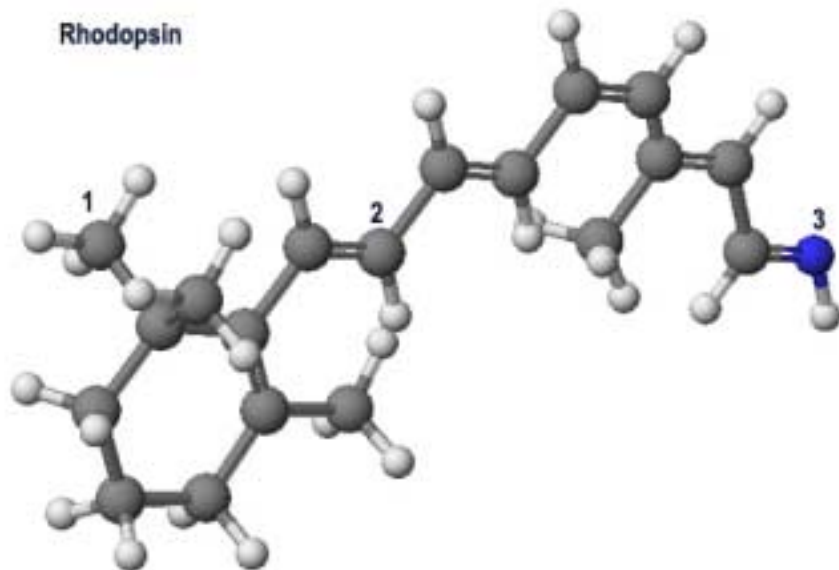
Molecular Geometry Worksheet ... Fall 2004 ... Whelan ... Page 2

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

Molecular Geometry Worksheet ... Fall 2004 ... Whelan ... Page 3

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

Rhodopsin



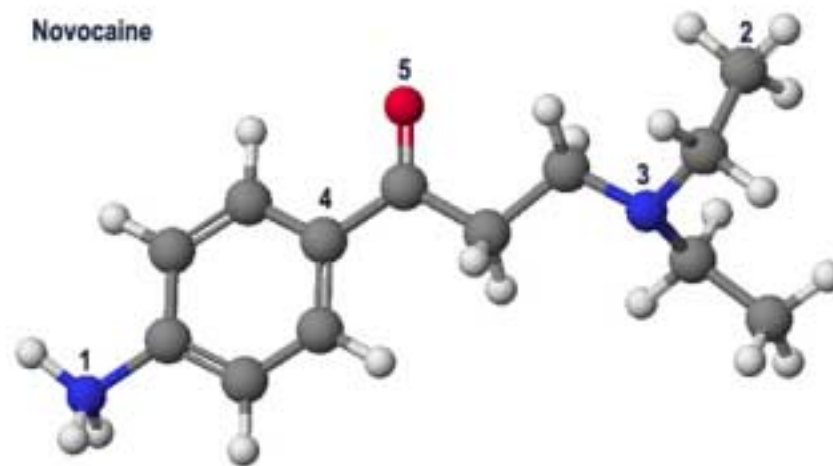
Bond Angle About Atom:

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

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

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

Novocaine



Bond Angle About Atom:

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

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

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

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