

Name \_\_\_\_\_

Section \_\_\_\_\_

Date \_\_\_\_\_

**Molecular Shapes and Structures ☺****DATA SHEET**

<b>SPECIES</b>	<b>Lewis Structures (include isomers and resonance forms)</b>	<b>Bond Pairs (<math>\sigma</math>)</b>	<b>Lone Pairs</b>	<b>Arrangement of Electron Pairs</b>	<b>Molecular Geometry (shape)</b>	<b>3-D Sketch (show bond angles)</b>	<b>Polarity</b>
1a.  BeCl <sub>2</sub>							
2a.							
2b.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
3a.							
3b.							
3c.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
4a.							
4b.							
4c.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
4d.							
5a.							
5b.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
5c.							
6a.							
6b.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
7a.							
7b.							
7c.							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
8a.							
8b.							
8c							

SPECIES	Lewis Structures (include isomers and resonance forms)	Bond Pairs ( $\sigma$ )	Lone Pairs	Arrangement of Electron Pairs	Molecular Geometry (shape)	3-D Sketch (show bond angles)	Polarity
8d.							
8e.							
8f.							