

Name: _____

Period: _____

Date: _____

Molecular Structures Worksheet Add-On: Chemical Info

As we use examples of compounds to write Lewis structures and chemical formulas, and determine molecular geometries, you should remember that these are actually real substances. We discussed that molecular geometry determines many chemical properties of compounds. Your task with the table below is to investigate more about the properties and background of the compounds you made molecular models out of in your geometry lab activity. Use reputable online resources to determine the following information for the compounds in the table and **think** about which types of properties may be determined by the molecular geometry and polarity.

Compound	Molecular Geometry/Polarity	Properties	Common Uses	Ideas/research on which properties may be determined by geometry and polarity.
SiH ₄				
H ₂ S				
PCl ₄ ⁺				

Name: _____

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Compound	Molecular Geometry/Polarity	Properties	Common Uses	Ideas/research on which properties may be determined by geometry and polarity.
H ₂				
SO ₃ ²⁻				

SbF ₅				
SCl ₆				
PH ₃				

Name: _____

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Compound	Molecular Geometry/Polarity	Properties	Common Uses	Ideas/research on which properties may be determined by geometry and polarity.
PBr ₅				
PF ₃				