

## Lewis Structure, Hybridization, Shape and Polarity

NAME: \_\_\_\_\_

Fill in the empty boxes.

Name	Formula	Lewis structure	Hybridization	Shape	Bond polarity	Molecular polarity	Other examples
Beryllium hydride							
Boron hydride							
ozone							
Methane							
Ammonia							
Water							
Hydrogen fluoride							

Name	Formula	Lewis structure	Shape	Hybridization	Bond polarity	Molecular polarity	Other examples
Phosphorus pentachloride							
Sulfur tetrafluoride							
Iodine trichloride							
Xenon difluoride							
Sulfur hexafluoride							
Chlorine pentafluoride							
Xenon tetrafluoride							

**Additional chemical species**

<b>Name</b>	<b>Formula</b>	<b>Lewis structure</b>	<b>Hybridization</b>	<b>Shape</b>	<b>Bond polarity</b>	<b>Molecular polarity</b>	<b>Other examples</b>
Triiodide ion	$I_3^-$						
Nitrate ion							
Bromine pentafluoride							
Nitrogen trifluoride							

Name	Formula	Lewis structure	Shape	Hybridization	Bond polarity	Molecular polarity	Other examples
Carbon dioxide							
Trichloromethane							
Chlorine trifluoride							
Nitrite ion							