

Bell Ringer #31:

Socratic Room Name:
LEVEL70WARRIOR

Lewis Structures

<http://drmoad.weebly.com/>

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Agenda

Bell Ringer
Lewis Structure Video
VSEPR Theory
Building Molecules Lab
Kahoot Polyatomic Ions
Polyatomic Ions Quiz

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Lewis Structures Video

<https://www.youtube.com/v/a8LF7JEB0IA?version=3&start=255&end=545&autoplay=1>
















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VSEPR

valence shell electron pair repulsion

- Predicts the shape or geometry of a molecule.
- You need to know the lone pairs on the central atom.
- Lone pairs are the electrons “not shared” (not bonded).

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Number of Electron Dense Areas	Electron-Pair Geometry	Molecular Geometry				
		No Lone Pairs	1 lone Pair	2 lone Pairs	3 lone Pairs	4 lone Pairs
2	Linear					
3	Trigonal planar					
4	Tetrahedral					
5	Trigonal bipyramidal					
6	Octahedral					

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Practice: Draw the Lewis Structure

NFIBr

SIF

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Practice: Draw the Lewis Structure



shape?

shape?

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Lewis Structure Homework

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Building Molecules Lab

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Kahoot: Polyatomic Ions

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Exit Ticket #31:

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Polyatomic Ions

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