

Predicting Shapes of Molecules

The _____ (VSEPR) theory is used to predict the 3D shape of molecules

- Valence electrons around the central atom of a molecule determine _____
- The _____ (BP) and the _____ (LP) around the central atom repel each other and arrange themselves in space so they are as far apart as possible
- A _____ occupies more space than a _____ since a BP is simultaneously _____ to 2 nuclei

Table Shapes of Molecules

No e ⁻ pairs around central	Chemical Formula	Lewis Structure	Around Central Atom		VSEPR Notation	3D Arrangement	Name of Shape
			# BP	# LP			

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