

# LEWIS STRUCTURES

Level	Level Name	TOPICS COVERED								
		Single Bonds	Octet/Duet Rule	Nonbonded Domains	Number of Electron Domains	Double/Triple Bonds	Electronegativity	Bond Polarity	Molecular Shape/VSEPR	Coordinate Covalent Bonds
1T	A shared pair	x	x	x						
2T	More sharing	x	x	x						
3T	Hydrogen	x	x							
4	H's all around	x	x	x					x	
5T	A new domain	x	x	x	x					
6	C in the center	x	x	x						
7T	Double & triple bonds	x	x	x	x	x				
8	On your own	x	x	x	x	x			x	
9	More center C's	x	x	x	x	x			x	
10	Two bent angles	x	x	x	x				x	
11T	Unequal sharing	x	x	x	x		x	x	x	
12	On your own again	x	x	x			x	x	x	
13	Shapes & sharing	x	x	x	x		x	x	x	
14	More shapes & sharing	x	x	x	x	x	x	x	x	
15	4 unique shapes	x	x	x	x	x	x	x	x	
16	Almost there	x	x	x	x	x	x	x	x	
17	Mastering covalent bonds	x	x	x	x	x	x	x	x	
SA1	Br <sub>2</sub> molecule	x	x	x					x	
SA2	CO <sub>2</sub> molecule	x	x	x	x	x			x	
SA3	C <sub>2</sub> H <sub>2</sub> molecule	x	x	x	x	x			x	
SA4	SO <sub>2</sub> molecule	x	x	x	x	x			x	x
SA5	Single bond: nonpolar	x	x	x	x		x	x	x	
SA6	Single bond: semipolar	x	x	x	x		x	x		
SA7	Single bond: very polar	x	x	x	x		x	x		
SA8	Double bond: nonpolar	x	x	x	x	x	x	x		
SA9	Double bond: semipolar	x	x	x	x	x	x	x		
SA10	Triple bond: nonpolar	x	x	x	x	x	x	x		
SA11	Tetrahedral shape	x	x	x	x				x	
SA12	Trigonal planar shape	x	x	x	x	x			x	
SA13	Linear shape	x	x	x	x	x			x	