

Formula	Lewis Structure	Shape	Bond Angle	Dipole (yes/no)
CH <sub>3</sub> OH 7	 O: 24 V: 14	tetrahedron	109.5°	Yes
SO <sub>2</sub> Cl <sub>2</sub> 8	 O: 40 V: 32	Tetrahedron	109.5°	Yes
OCl <sub>2</sub> 9	 O: 24 V: 20	Bent	109.5°	Yes
SO <sub>2</sub> 10	 O: 24 V: 18	Bent	120°	Yes
SO <sub>3</sub> 11	 O: 32 V: 24	Trigonal Planar	120°	No
ClO <sub>3</sub> <sup>-</sup> 12	 O: 32 V: 26	Trigonal Pyramid	109.5°	Yes
N <sub>2</sub> O 13	 O: 24 V: 16	Linear	180°	Yes
O <sub>3</sub>		Bent	120°	Yes

# Molecular Geometry Lab With Answer Key

**Victor M. Corman**



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*Chemistry* Eugene LeMay, Jr.,Herbert Beall,Karen M. Robblee,Douglas C. Brower,Prentice-Hall Staff,2002-02

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