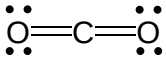
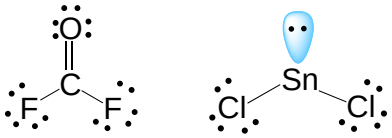
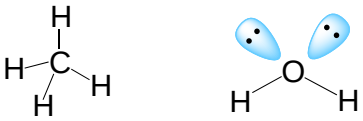
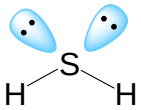
CONCEPT: ELECTRON GEOMETRY (SIMPLIFIED)

- The simplest system for geometrical shapes that focuses on the number of _____ around the central element.
  - □ Treats lone pairs and surrounding elements as the _____.

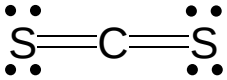
Electron Geometry

Electron Groups	Orbital Shapes	Electron Geometry	Memory Tool
2		_____	___ points in a straight _____.
3		_____	Tri = _____.
4		_____	Tetra = _____.

EXAMPLE: Determine the electron geometry for the hydrogen sulfide molecule, H_2S.



PRACTICE: Determine the electron geometry for the carbon disulfide molecule, CS_2.



CONCEPT: ELECTRON GEOMETRY (SIMPLIFIED)

- Recall, many possible Lewis Dot Structures exist, but there are rules to draw the best structure.

EXAMPLE: Determine the electron geometry for the following molecule: CH_2O.

PRACTICE: Determine the number of electron groups for the following cation: $AsBr_2^+$.

PRACTICE: Determine the electron geometry of the nitrogen atom within methylamine, CH_3NH_2.