

1) Write the structures between the following elements and name them

Elements	Formula	Name	Lewis Structure
K and O			
N and Cl			
Ca and N			

2) Use the models to make the models for the following molecules. Write the molecular geometry and molecular shape in the table below. Draw the 3D structure of the molecule.

	Lewis Structure	Electronic geometry	Molecular shape	AXE formula	3D structure
CO ₂					
CH ₃ Cl					
SO ₂					
NO ₃ ⁻					

3) Complete the table below:

Compound	Lewis structure	AXE formula	Shape (draw the 3D shape)	Polarity of molecule (yes/no)	Dipole Moment (show structure with arrow)
OXeF_2					
ClCN					
CH_3NH_3^+					