

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	AXE formula	Electronic geometry	Shape	3D structure
H ₂ O					
CO ₂					
CH ₃ Cl					
SO ₂					
NO ₃ ⁻					

Complete the table below:

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