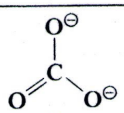
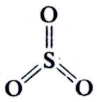
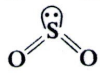
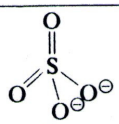
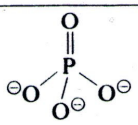
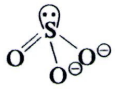
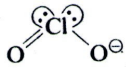
TEORÍA VSEPR

FORMAS GEOMÉTRICAS DE MOLÉCULAS CON ENLACES DOBLES Y TRIPLES

Tabla Formas de moléculas que contienen enlaces dobles y triples

NÚMERO TOTAL DE LIGANDOS Y PARES NO ENLAZANTES	DISPOSICIÓN	NÚMERO DE LIGANDOS	NÚMERO DE PARES NO ENLAZ	TIPO DE MOLÉCULA	FORMA DE LA MOLÉCULA	EJEMPLOS	
2	Lineal	2	0	AX_2	Lineal	O=C=O	H—C≡N
3	Triangular	3	0	AX_3	Triangular		
		2	1	AX_2E	Angular		
4	Tetraédrica	4	0	AX_4	Tetraédrica		
		3	1	AX_3E	Piramidal trigonal		
		2	2	AX_2E_2	Angular		

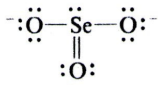
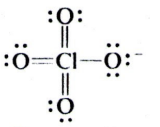
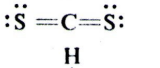
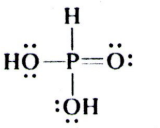
Ejercicio

Ejemplo Clasificar las siguientes moléculas y iones como AX_2, AX_2E, AX_3, etcétera, y describir sus formas.

SeO_3^{2-} ClO_4^- CS_2 H_3PO_3

El selenio es un elemento del grupo VI.

Solución

	Estructura de Lewis	*Tipo de molécula*	*Forma*
SeO_3^{2-}		AX_3E	Piramidal trigonal
ClO_4^-		AX_4	Tetraédrica
CS_2		AX_2	Lineal
H_3PO_3		AX_4	Tetraédrica