

Covalent Compounds Practice Quiz

1. What is an ionic bond?

2. What is a covalent bond?

3. Complete the following table by drawing Lewis structures. (25 marks)

Molecule	HBr	SiO ₂	CCl ₄	NH ₃	H ₂ S
Rough Work					
Lewis Structure					
Lewis Structure With Proper Shape (Add Bond and Overall Dipoles)					
Shape	linear	linear	tetrahedral	pyramidal	bent
Bonds polar/nonpolar	bonds are polar	bonds are polar	bonds are polar	bonds are polar	bonds are polar
molecule polar/nonpolar	molecule is polar	molecule is nonpolar	molecule is nonpolar	molecule is polar	molecule is polar
	lp 3 bp 1	4lp 4bp	12 lp 4 bp	1 lp 3 bp	2 lp 2 bp