1.	Use a table of electronegativities to characterize the bond between the following pairs of atoms as principally ionic or covalent. a) S and S b) Mg and Cl c) O and Cl
	[1]
2.	Three elements have electron configurations of
	a) $1s^22s^2$
	b) $1s^22s^22p^63s^23p^64s^1$
	c) $1s^2 2s^2 2p^6 3s^2$
	Arrange these atoms in order of increasing electronegativity. [2]
3.	Arrange the following atoms in order of decreasing electronegativity.
	O, B, Na
	[3]
4.	Use a periodic table to determine if the following pairs of atoms
4.	produce ionic or covalent bonds.
	Na, I and Ca, I
	[4]