CHEM106 Quiz

1.	Explain what is meant by effective nuclear charge. Use electron configurations to determine the effective nuclear charges for carbon and nitrogen atoms; draw a clearly-labeled diagram to support your answer.
2.	Define electronegativity. Use Coulomb's Law to predict and to fully explain the relative electronegativities for carbon and nitrogen atoms.
3.	Draw the correct Lewis structure for:
	a) Carbon dioxide
	b) Carbon monoxide