Some basic chemistry

1.	The electronic structure of an atom describes how its electrons are arranged according to their:
	energymasssizecharge
2.	All carbon atoms have:
	 one more neutron than protons the same mass identical nuclei the same number of protons
3.	The most abundant (% by mass) element in the human body is:
	 nitrogen oxygen hydrogen carbon
4.	Nitrogen atoms can form:
	 3 bonds 4 bonds 1 bond 2 bonds
5.	The empirical formula of a compound shows:
	 the shape of a molecule of the compound how the atoms in a molecule of the compound are bonded to one another the ratio of atoms in a molecule of the compound how many atoms there are in a molecule of the compound
6.	Potassium atoms have the electron arrangement 2,8,8,1. They combine with chlorine atoms to make the ionic compound potassium chloride, KCl. How many electrons are in a potassium ion?
	 21 20 19 18
7.	How many covalent bonds are there in each molecule of ethane?
	 7 6 5 4
8.	The spatial arrangement of atoms in a molecule are shown by a compound's
	 structural formula molecular formula 3-D displayed formula empirical formula