**Short questions to answer**

1. The amount of energy required to remove one mole of the outermost electrons from one moles of atoms in the gaseous state.
2. The sharing of electrons between two non-metals atoms.
3. The mass of an atom of an isotope compared with one twelfth of the mass of an atom of 12C.
4. A measure of the attraction of a bonded atom for the pair of electrons in a covalent bond.
5. Mg x1 (empty outer shell, brackets, 2+), Cl x2 (full outer shell but with 1 transferred electron, brackets, 1-).
6. See your teacher.
7. a) 2 electrons b) 2 electrons c) 18 electrons
8. Oxygen.