

C1 Topic 1 fundamental ideas revision

Elements and compounds	
1. What is an element made up of?	The same types of atom
2. What is a compound made up of?	Two or more different atoms (bonded together)
3. Which type of bond is made by sharing electrons?	Covalent
4. Which type of bond is made when 1 atom gives electrons to the other?	Ionic
5. Which type of bond do a metal and non-metal make?	Ionic
6. Which type of bond do 2 non-metals make?	Covalent
Symbols	
7. The atomic number shows the number of ...	Protons
8. The mass number shows the number of	Protons and neutrons
9. The number of electrons in the outer shell is the the group number on the Periodic Table	Same as
10. The number of protons is the same as the number of in an atom	Electrons
11. To calculate the number of neutrons we do the mass number take away the	Atomic number
Atoms and subatomic particles	
12. What is the centre of the atom called?	Nucleus
13. What is the charge on a proton?	+1
14. What is the charge on an electron?	-1
15. What is the charge on a neutron?	0
16. Where are electrons found?	In the shells
17. In an atom, the number of protons is the same as the number of....	Electrons
18. What is found in the centre of the atom?	Protons and neutrons
Groups	
19. What are the elements in Group 0 called?	Noble gases
20. What is special about the elements in Group 0? Why?	Unreactive, full outer shell
21. How would you know that two atoms were in the same group?	They would have the same number of electrons on the outer shell

Higher only

22. How many atoms can go in the first shell?	2
23. How many electrons can go in the 2 nd and onwards shells	8
24. Why would two atoms have similar chemical properties?	They have the same number of electrons in their outer shell