

<b>C8 Periodic Table</b>		
1	The periodic table is split into 2 general types, what are they?	metal and non-metal
2	What is an element?	Element is a substance with only one type of atom. All substances are made from elements.
3	What is an atom?	The smallest particle of an element that can exist.
4	What are groups in the periodic table?	The columns, numbered 1, 2, 3, 4, 5, 6, 7, 0
5	What can the group tell you about the electrons in an atom?	How many electrons in the outer shell. E.g. carbon is in group 4 so has 4 electrons in the outer shell
6	What are periods in the periodic table?	The rows in the periodic table
7	How can you find the number of shells an element has, using the periodic table?	The Period number, tells you the number of shells E.g. carbon is in the second period so has two shells
8	In terms of electrons, what do group 1 elements have in common?	1 electron in the outer shell
9	In terms of electrons, what do group 7 elements (the halogens) have in common?	7 electrons in the outer shell
10	In terms of electrons, what do group 0 elements have in common?	Full outer shell
11	What is more reactive, lithium or sodium?	Sodium
12	What is more reactive, chlorine or bromine?	Chlorine
13	Define the term: inert	Unreactive
14	Explain why the noble gases are inert	They have full outer shells, so do not need to gain or lose electrons
15	What is a trend?	A pattern in properties
16	State the trend in the melting points of the alkali metals	Get less reactive as you move down group 1
17	What state is fluorine at room temperature?	Gas
18	What state is chlorine at room temperature?	Gas
19	What state is bromine at room temperature?	liquid
20	Explain why the group 1 elements are called alkali metals	They are metals that form alkalis when they react with water
21	What is a displacement reaction?	A reaction in which a more reactive element takes the place of a less reactive element in a compound
22	Explain why the following reaction does not proceed: $\text{KBr} + \text{I}_2$	Iodine is less reactive than bromine so cannot displace it