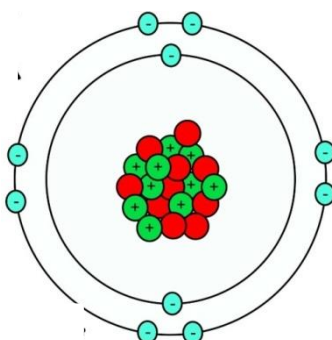


S2 ACTION PACKED CHEMISTRY**Homework 1**

- Use the periodic table in your planner or your jotter to help you answer the following questions
 - Write down the **chemical symbol** of the element Chlorine
 - Name the group** in the periodic table that contains the elements He, Ne and Ar
 - Suggest the name of an element **that behaves in a similar way** to the element Potassium
- For each of the words on the left below, choose the correct description that matches it

ELEMENT	DESCRIPTION
MIXTURE	<ul style="list-style-type: none"> a new substance formed when two or more elements are chemically joined a substance made up of only one type of element a substance made up of only one type of atom Can be easily separated
COMPOUND	<ul style="list-style-type: none"> A new substance formed when two or more compounds are chemically joined

- Name the new compounds** that are made when the following elements react together
 - Magnesium and Chlorine
 - Copper, Nitrogen and Oxygen
- Write a word equation** to show what happens during the chemical reaction that between hydrogen and oxygen to make water.
- The diagram below shows the smaller particles that exist inside an atom.



- Copy and complete the table below about the atom

Charge on particle	Name of particle	Mass of particle	Location in atom
	proton		
			Energy level / electron shell
No charge / neutral			

- Name the element represented in the diagram above
- Write the electron arrangement for the atom shown above