

## YEAR 9 A- F – CHEMISTRY

**WEEK 10 (1<sup>st</sup> Nov to 5<sup>th</sup> November)**

Work Sent to the students through Group email/ Google classroom

**Topic:– Structure of an Atom**

**Resources:** Text book, Worksheet, Board works, GCSE science free lesson video, power point.

Date	Lesson	Topic	Mode of Teaching										
01 <sup>st</sup> Nov Sunday (girls)	6	<b>Learning Objective :</b> <ul style="list-style-type: none"> <li>Describe how the Dalton model of an atom has changed because of the discovery of subatomic particles.</li> <li>Describe the structure of an atom as a nucleus containing protons and neutrons, surrounded by electrons in shells</li> </ul> <b>Success Criteria:</b> <ul style="list-style-type: none"> <li>Explain Dalton model of an atom.</li> <li>Compare the different sub atomic particles in an atom.</li> <li>Describe how the subatomic particles are arranged in an atom.</li> <li>Explain how the discovery of sub atomic particles has brought changes in the atomic structure.</li> </ul>	<b>Zoom</b>	PPT and Video on Structure of an Atom  with interactive questions on the discovery of atom.									
02 <sup>nd</sup> Nov Monday (boys)	7				02 <sup>nd</sup> Nov Monday (girls)	5	<b>Learning Objective :</b> Recall the relative charge and relative mass of a a proton b a neutron c an electron  <b>Success Criteria:</b> <ul style="list-style-type: none"> <li>Explain the structure of an atom.</li> <li>Predict the charges on sub-atomic particles.</li> <li>Use the periodic table to work out the number of each type of sub-atomic particle for few atoms.</li> </ul>	<b>Zoom</b>	PPT and Video on Structure of an Atom  with interactive questions on structure of atom.	02 <sup>nd</sup> Nov Monday– (boys)	8	02 <sup>nd</sup> Nov Monday (girls)	6
02 <sup>nd</sup> Nov Monday (girls)	5	<b>Learning Objective :</b> Recall the relative charge and relative mass of a a proton b a neutron c an electron  <b>Success Criteria:</b> <ul style="list-style-type: none"> <li>Explain the structure of an atom.</li> <li>Predict the charges on sub-atomic particles.</li> <li>Use the periodic table to work out the number of each type of sub-atomic particle for few atoms.</li> </ul>	<b>Zoom</b>	PPT and Video on Structure of an Atom  with interactive questions on structure of atom.									
02 <sup>nd</sup> Nov Monday– (boys)	8				02 <sup>nd</sup> Nov Monday (girls)	6	<b>Learning Objective :</b> <ul style="list-style-type: none"> <li>Explain why atoms contain equal numbers of protons and electrons</li> </ul>	<b>GC</b>	Worksheet SC3a				
02 <sup>nd</sup> Nov Monday (girls)	6	<b>Learning Objective :</b> <ul style="list-style-type: none"> <li>Explain why atoms contain equal numbers of protons and electrons</li> </ul>	<b>GC</b>	Worksheet SC3a									

04 <sup>th</sup> Nov Wednesday – (boys)	1	<ul style="list-style-type: none"><li>• Describe the nucleus of an atom as very small compared to the overall size of the atom</li></ul> <b>Success Criteria:</b> <ul style="list-style-type: none"><li>• Recall subatomic particles.</li><li>• State that atom is electrically neutral.</li><li>• Locate the position of nucleus in an atom.</li><li>• Compare the size of an atom with its nucleus.</li></ul>		
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