

YEAR 9 A- F – CHEMISTRY

WEEK 12 (15th Nov to 19th November)

Work Sent to the students through Group email/ Google classroom

Topic:– SC3c Isotopes

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

Date	Lesson	Topic	Mode of Teaching												
15 th Nov Sunday (girls)	6	Learning Objective : <ul style="list-style-type: none"> Describe isotopes as different atoms of the same element containing the same number of protons but different numbers of neutrons in their nuclei Calculate the numbers of protons, neutrons and electrons in atoms given the atomic number and mass number Success Criteria: <ul style="list-style-type: none"> Define isotopes in terms of subatomic particles. Identify some elements which have isotopes. Define atomic number, mass number and relative atomic mass. Calculate the numbers of protons, neutrons and electrons using atomic and mass numbers Explain that atomic masses are relative to ¹²C isotope. 	Zoom	PPT/Video on Isotopes											
16 th Nov Monday (boys)	7				16 th Nov Monday (girls)	5	Learning Objective : <ul style="list-style-type: none"> Calculate the relative atomic mass of an element from the relative masses and abundances of its isotopes Success Criteria: <ul style="list-style-type: none"> Develop the problem solving skill by calculating relative atomic mass of element with relative abundances of isotopes. Calculate the relative atomic mass of an element to the correct decimal places. Calculate percentage abundances of different isotopes of an element from being given the RAM and the mass numbers of the isotopes. 	Zoom	PPT and Video on Isotopes	16 th Nov Monday– (boys)	8	16 th Nov Monday (girls)	6	Learning Objective : <ul style="list-style-type: none"> Explain how the existence of isotopes results in relative atomic masses of some elements not being whole numbers Success Criteria: <ul style="list-style-type: none"> Identify the relative atomic masses of some elements are not whole numbers. Use the Periodic Table to obtain the relative atomic masses of elements. 	GC
16 th Nov Monday (girls)	5	Learning Objective : <ul style="list-style-type: none"> Calculate the relative atomic mass of an element from the relative masses and abundances of its isotopes Success Criteria: <ul style="list-style-type: none"> Develop the problem solving skill by calculating relative atomic mass of element with relative abundances of isotopes. Calculate the relative atomic mass of an element to the correct decimal places. Calculate percentage abundances of different isotopes of an element from being given the RAM and the mass numbers of the isotopes. 	Zoom	PPT and Video on Isotopes											
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16 th Nov Monday (girls)	6	Learning Objective : <ul style="list-style-type: none"> Explain how the existence of isotopes results in relative atomic masses of some elements not being whole numbers Success Criteria: <ul style="list-style-type: none"> Identify the relative atomic masses of some elements are not whole numbers. Use the Periodic Table to obtain the relative atomic masses of elements. 	GC	Worksheet SC3c											
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