YEAR 10 A/D/E–CHEMISTRY (Girls)

WEEK 2 (6th Sept to 10th Sept)

Work Sent to the students through Google classroom

Lesson Objective : To Determine the empirical formula and molecular formula of a compound from the masses of the elements it contains.

Learning Outcome : What is the difference between an empirical formula and a molecular formula?
Deduce the empirical formula of a compound from the formula of its molecule.
What are the steps to find the empirical formula of a compound from the masses of the elements it contains.

Resources: Text book, Worksheet, power point.

Date	**Lesson**	**Topic**	**Mode of Teaching**	
06/09/2020 Sunday	3	Calculate the formulae of simple compounds from reacting masses and understand that these are empirical formulae	**Zoom**	Teacher uses powerpoint presentation that contains the simple steps to calculate the empirical formula of a compound.
09/09/2020 Wednesday	3	Deduce the empirical formula of a compound from the formula of its molecule Understand the difference between empirical and molecular formula.	**GC**	Teacher uses worksheet that contains interactive questions.
10/09/2020 Thursday	2 &3	Deduce the molecular formula of a compound from its empirical formula and its relative molecular mass Determine the empirical formula of a simple compound, such as magnesium oxide	**Zoom**	Teacher uses powerpoint presentation that contains the experiments to find the empirical formula of magnesium oxide.

YEAR 10 B/C/F–CHEMISTRY (Boys)

WEEK 2 (6th Sept to 10th Sept)

Work Sent to the students through Google classroom

Lesson Objective : To determine the empirical formula and molecular formula of a compound from the masses of the elements it contains.

Learning Outcome : What is the difference between an empirical formula and a molecular formula?
Deduce the empirical formula of a compound from the formula of its molecule.
What are the steps to find the empirical formula of a compound from the masses of the elements it contains.

Resources: Text book, Worksheet, power point.

Date	**Lesson**	**Topic**	**Mode of Teaching**	
06/09/2020 Sunday	0	Calculate the formulae of simple compounds from reacting masses and understand that these are empirical formulae	**Zoom**	Teacher uses powerpoint presentation that contains the simple steps to calculate the empirical formula of a compound.
07/09/2020 Monday	1&2	Deduce the empirical formula of a compound from the formula of its molecule Understand the difference between empirical and molecular formula. Deduce the molecular formula of a compound from its empirical formula and its relative molecular mass	**Zoom**	Teacher uses powerpoint presentation that contains interactive questions.
09/09/2020 Wednesday	4	Determine the empirical formula of a simple compound, such as magnesium oxide	**GC**	Teacher uses worksheet that contains the experiments to find the empirical formula of simple compounds.

YEAR 10 G/H–CHEMISTRY (IGCSE)

WEEK 2 (6th Sept to 10th Sept)

Work Sent to the students through Group email/ Google classroom

Unit 1 – Chapter 6: Chemical formulae, Equations & Calculations

Lesson Objective: To calculate empirical and molecular formula from experimental data

Learning Outcome: Calculate empirical and molecular formula using experimental data and chemical equations.

Resources: Text book, Worksheet, IGCSE science free lesson video, power point.https://www.youtube.com/watch?v=7oyXqrfY6UY (whole chapter)

Date	Lesson	Topic	Mode of Teaching	
06.09.2020 Sunday	1 **11H** 6 **11G**	Calculate percentage yield	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions.
07.09.2020 Monday	2 **11H** 5 **11G**	Differentiate between percentage yield and theoretical yield Identify that percentage yield compares the actual yield and theoretical yield	**Zoom**	Teacher uses PowerPoint presentation to show the steps for calculating yields.
08.09.2020 Tuesday	3 **11H** 1 **11G**	Define empirical and molecular formula.	**Zoom**	Teacher uses PowerPoint presentation that contains interactive questions
	4**11H** 2 **11G**	Differentiate between empirical formula and molecular formula. Carry out experiments to find the empirical formula of compounds.	**Zoom**	Instruction will be given in the GC room to complete the textbook and worksheet questions.
10.09. 2020	5 **11H**	Practical: know how to determine the formula of a metal oxide by	**GC**	Teacher uses worksheet that contains interactive

Thursday	4 **11G**	combustion(e.g. magnesium oxide)		questions.