

YEAR 11 A/D/E – CHEMISTRY (Girls)

WEEK 2 (6th Sept to 10th Sept)

Lesson Objectives: Calculate the atom economy of a reaction forming a desired product.

Explain why a particular reaction pathway is chosen to produce a specified product, given appropriate data such as atom economy, yield, rate, equilibrium position and usefulness of by-products.

Calculate the concentrations of solutions in mol dm⁻³ and convert concentration in g dm⁻³ into mol dm⁻³ and vice versa.

Learning Outcomes:

- ❖ Calculate the atom economy for forming a desired product in a reaction.
- ❖ Explain how atom economy and yield determine the choice of reaction pathway.
- ❖ State the meaning of the term concentration.
- ❖ Calculate concentration in mol dm⁻³ and g dm⁻³.
- ❖ Convert concentration in g dm⁻³ into concentration in mol dm⁻³ and vice versa.

Resources: Text book, Worksheets, video, power point presentation.

Work Sent to the students through Group email/ Google classroom.

Date	Lesson	Topic	Mode of Teaching	
06.09.2020 Sunday	8	Atom Economy Calculate atom economy for the given process. Appreciate the advantage of high atom economy.	Zoom	Teacher uses powerpoint presentation that contains interactive questions.
07.09.2020 Monday	4	Atom Economy Explain how atom economy and yield determine the choice of reaction pathway. Discussion of Chapter Questions & Worksheet questions.	GC	Teacher uses worksheet that contains interactive questions. Instructions will be given to complete chapter questions and worksheet.
09.09.2020 Wednesday	8	Concentrations State the meaning of the term concentration. Calculate concentration in mol dm ⁻³ and g dm ⁻³ .	Zoom	Teacher uses powerpoint presentation that contains interactive questions.
10.09.2020 Thursday	5 6	Concentrations Convert concentration in g dm ⁻³ into concentration in mol dm ⁻³ and vice versa. Discussion of Chapter Questions	Zoom	Teacher uses powerpoint presentation that contains interactive questions. Instructions will be given to complete chapter questions and worksheet.

YEAR 11 B/C/F – CHEMISTRY (Boys)

WEEK 2 (6th Sept to 10th Sept)

Lesson Objectives: Calculate the atom economy of a reaction forming a desired product.

Explain why a particular reaction pathway is chosen to produce a specified product, given appropriate data such as atom economy, yield, rate, equilibrium position and usefulness of by-products.

Calculate the concentrations of solutions in mol dm⁻³ and convert concentration in g dm⁻³ into mol dm⁻³ and vice versa.

Learning Outcomes:

- ❖ Calculate the atom economy for forming a desired product in a reaction.
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- ❖ Convert concentration in g dm⁻³ into concentration in mol dm⁻³ and vice versa.

Resources: Text book, Worksheets, video, power point presentation.

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Date	Lesson	Topic	Mode of Teaching	
06.09.2020 Sunday	1	Atom Economy Calculate atom economy for the given process. Appreciate the advantage of high atom economy.	Zoom	Teacher uses powerpoint presentation that contains interactive questions
	2	Explain how atom economy and yield determine the choice of reaction pathway. Discussion of Chapter Questions & Worksheet questions.		Instructions will be given to complete chapter questions and worksheet.
07.09.2020 Monday	3	Concentrations State the meaning of the term concentration. Calculate concentration in mol dm ⁻³ and g dm ⁻³ .	Zoom	Teacher uses powerpoint presentation that contains interactive questions
08.09.2020 Tuesday	7	Concentrations Convert concentration in g dm ⁻³ into concentration in mol dm ⁻³ and vice versa.	Zoom	Teacher uses powerpoint presentation that contains interactive questions
10.09.2020 Thursday	4	Concentrations Discussion of Chapter Questions & Worksheet questions	GC	Teacher uses worksheet that contains interactive questions. Instructions will be given to complete chapter questions and worksheet.

