

## YEAR 13 A /B –CHEMISTRY

**WEEK 9 (17<sup>th</sup> May to 21<sup>st</sup> May)** 3 lessons for both batches

**Work sent to the students through Whats app group / Google classroom / Zoom Learning Platform**

**Lesson Objective :** Improve the skill in problem solving.

**Lesson Outcome :** Solve problems related to stoichiometry.

**Resources:** Text book, Worksheet file, video, power point presentations.

<b>Date</b>	<b>Lesson</b>	<b>Topic</b>	<b>Mode of Teaching</b>	
20th May Wednesday <b>13A</b>	5 <b>1 3A</b>	Discuss the findings about Uses of group 2 elements and compounds	<b>Zoom</b>	Students share the ppt and discuss their findings. Teacher uses worksheet and students solves in groups.
17th May Sunday <b>13B</b>	5 <b>13B</b>	Solve problems on the basis of Group 2 reactions		
20th May Wednesday <b>13A</b>	6 <b>13A</b>	Solve problems on stoichiometry	<b>GC</b>	Students solve the Google form questions and upload in the google classroom at end of the lesson.
17th May Sunday <b>13B</b>	8 <b>13B</b>	Instructions are given and ask students to follow the time limit for each question.		
19th May Tuesday <b>13B</b>	1 <b>13B</b>	Research about Kohlrausch's law.	<b>Asynchronous Learning</b>	Students should write a report or prepare a PowerPoint presentation.
17th May Sunday <b>13A</b>	3 <b>13A</b>			

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**Lesson Objective:** Deduce rate equation for different reactions

**Learning Outcome:**

\* Apply the knowledge of chemical kinetics to predict the mechanism for the reaction.

\*use of data to identify rate determining step.

**Resources:** Text book, Worksheet file, video, power point presentations.

Date	Lesson	Topic	Mode of Teaching	
17th May Sunday <b>13A and B</b>	4 <b>1 3A</b>  1 <b>13B</b>	Research : metalloenzyme capable of catalyzing enantioselective reaction.	<b>Asynchronous Learning</b>	Students should write a report or prepare a PowerPoint presentation.
17th May Sunday <b>13B</b>  19th May Tuesday <b>13A</b>	2 <b>13B</b>  2 <b>13A</b>	Applications of further Kinetics.  Instructions are given and ask students to follow the time limit for each question.	<b>GC</b>	Students solve the worksheet file questions and upload in the google classroom at end of the lesson
20th May Wednesday <b>13B</b>  20th May wednesday <b>13A</b>	4 <b>13B</b>  2 <b>13A</b>	Applications of further kinetics with special focus on enzymes.	<b>Zoom</b>	Teacher uses PowerPoint presentation and worksheet questions to revise the concept of chemical kinetics.