

YEAR 13 A /B –CHEMISTRY

WEEK 2 (6th September to 8th September) 3 lessons for both batches

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

Lesson Objective:

Recall dynamic equilibrium and factors affecting equilibrium.

WRITING EQUILIBRIUM EXPRESSION K_c ANS CALCULATION OF K_c FROM EXPERIMENTAL DATA

Lesson Outcome :

Define and deduce an expression for K_c ,

- Calculate a value for K_c from experimental data, with units where appropriate.
- Find the relationship between equilibrium concentrations K_c and the balanced equation, given data for equilibrium concentrations
- Calculate the numerical values of K_c , with units, given experimental data.

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

Date	Lesson	Topic	Mode of Teaching	
06.09.2020 Sunday	4 - 13B 1&2 - 13 A	<ul style="list-style-type: none">• writing equilibrium expression using the balanced chemical equations.• calculation of K_c values from given data.	zoom	Teacher uses powerpoint presentation that contains interactive questions.
08.09.2020 Tuesday	2 - 13B	<ul style="list-style-type: none">• Explain the steps to calculate value of K_c.		Students solve the worksheet file questions and upload in the google classroom at end of the lesson
09.09.2020 Wednesday	2 - 13 B 4 - 13A	<ul style="list-style-type: none">• calculation of units for K_c using the given data.	zoom	

YEAR 13 A /B –CHEMISTRY

WEEK 2 (6th to 10th September) 3 lessons for both batches

Work sent to the students through Google classroom / Zoom Learning Platform

Lesson Objective : Explain the color of complex ions.

Lesson Outcome :

- Explain the colour of complex ions in solution based on the metal ion and its oxidation number.
- Understand that the colour of aqueous ions and other complex ions, results from the splitting of the energy levels of the d-orbitals by ligands.
- Draw the shape of the d orbitals. Describe the theory of colour of ions based on charge on the ion and the d-d orbital splitting.

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

Date	Lesson	Topic	Mode of Teaching	
06.09.2020 Sunday	5 - 13A	Transition metals form coloured ions in solution.	Zoom	Teacher uses power point to explain the colour wheel and Students discuss and solve textbook questions.
08.09.2020 Tuesday	1- 13B			
06.09.2020 Sunday	5 ,8 - 13A	Understand why some complex ions are not coloured.	Zoom	Students solve the worksheet file questions and upload in the google classroom at end of the lesson
09.09.2020 Wednesday	5, 8 - 13B	Revise nomenclature of transition complexes.		Students discuss worksheet questions.