

YEAR 10 A/D/E–CHEMISTRY (girls)

WEEK 7 (11th Oct to 15th Oct)

Work Sent to the students through Google classroom

Topic: Acids, Alkalis and Indicators

Resources: Text book, Worksheet, power point.

Date	Lesson	Topic	Mode of Teaching	
11/10/2020 Sunday	3	<p>Learning Objective:</p> <p>1. Describe the use of hazard symbols on containers</p> <p>(a) to indicate the dangers associated with the contents</p> <p>(b) to inform people about safe-working precautions with these substances in the laboratory.</p> <p>2. Recall the effect of acids and alkalis on indicators, including litmus, methyl orange and phenolphthalein.</p> <p>Learning outcome:</p> <ul style="list-style-type: none">• Describe what the main hazard symbols mean.• Describe the safety precautions that should be observed when handling different acids and alkalis.• What are the effects of acids and alkalis on some common indicators?	Zoom	Teacher uses power point presentation to explain the meaning of hazard symbols and the effect of acids and alkalis on indicators.
14/10/2020 Wednesday	3	<p>Learning Objective:</p> <p>Recall that (a) acids in solution are sources of hydrogen ions and alkalis in solution are sources of hydroxide ions (b) a neutral solution has a pH of 7 and that acidic solutions have lower pH values and alkaline solutions higher pH values.</p> <p>Learning Outcome:</p> <ul style="list-style-type: none">• Name the ions present in all acidic and all alkaline solutions.• State the pH values associated with acidic, alkaline and neutral solutions.	Zoom	Teacher uses power point presentation that contains interactive questions on the ions present in acidic and alkaline solutions.

15/10/2020 Thursday	2	Learning Objective: Recall that the higher the concentration of hydrogen ions in an acidic solution, the lower the pH; and the higher the concentration of hydroxide ions in an alkaline solution, the higher the pH.	Zoom GC	Teacher uses power point presentation to explain the link between pH and concentration. Instruction will be given in the Google classroom to complete the Worksheet.
	3	Learning Outcome: <ul style="list-style-type: none"> • Explain the link between pH and the concentration of ions in acids and alkalis • What does the pH tell us about the ions in a solution? 		

Home work: Solve S1 and E1 questions :SC8a(Pg53)

YEAR 10 B/C/F-CHEMISTRY (Boys)

WEEK 7 (11th Oct to 15th Oct)

Work Sent to the students through Google classroom

Topic: Acids, Alkalis and Indicators

Resources: Text book, Worksheet, power point.

Date	Lesson	Topic	Mode of Teaching	
11/10/2020 Sunday	0	Learning Objective: 1. Describe the use of hazard symbols on containers (a) to indicate the dangers associated with the contents (b) to inform people about safe-working precautions with these substances in the laboratory. 2. Recall the effect of acids and alkalis on indicators, including litmus, methyl orange and phenolphthalein. Learning outcome: <ul style="list-style-type: none"> • Describe what the main hazard symbols mean. • Describe the safety precautions that should be observed when handling different acids and alkalis. • What are the effects of acids and alkalis on some common indicators? 	Zoom	Teacher uses power point presentation to explain the meaning of hazard symbols and the effect of acids and alkalis on indicators.

12/10/2020 Monday	1&2	<p>Learning Objective:</p> <p>Recall that (a)acids in solution are sources of hydrogen ions and alkalis in solution are sources of hydroxide ions(b) a neutral solution has a pH of 7 and that acidic solutions have lower pH values and alkaline solutions higher pH values.</p> <p>Learning Outcome:</p> <ul style="list-style-type: none"> • Name the ions present in all acidic and all alkaline solutions. • State the pH values associated with acidic, alkaline and neutral solutions. 	Zoom	Teacher uses power point presentation that contains interactive questions on the ions present in acidic and alkaline solutions.
14/10/2020 Wednesday	4	<p>Learning Objective:</p> <p>Recall that the higher the concentration of hydrogen ions in an acidic solution, the lower the pH; and the higher the concentration of hydroxide ions in an alkaline solution, the higher the pH.</p> <p>Learning Outcome:</p> <ul style="list-style-type: none"> • Explain the link between pH and the concentration of ions in acids and alkalis • What does the pH tell us about the ions in a solution? 	GC	Instruction will be given in the Google classroom to complete the Worksheet.

Home work: Solve S1 and E1 questions :SC8a(Pg53)