

# CHEMISTRY PRACTICAL GUIDE; 2018 SERIES

## SPECIFIC OBJECTIVES OF CHEMISTRY PRACTICAL;

- To test if the student is able to select & handle apparatus for use in an experimental work
- To test if the student is able to use his/her theoretical understanding of chemistry to make accurate observations and draw conclusions from those observations
- To test if the student is able to make accurate measurements

## AREAS COMMONLY TESTED IN PRACTICAL;

- Qualitative analysis (organic & inorganic)
- Quantitative analysis
- Graphical work

### A) QUALITATIVE ANALYSIS

Refers to the process of carrying out chemical tests on substances with the sole aim of identifying them

### TO BE ABLE TO GET GOOD RESULTS;

- Accurately identify the test reagents
- Identify what these reagents test
- Predict the expected results

## I. INORGANIC

Test for cations (12 cations involved;  $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{NH}_4^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Ba}^{2+}$ ,  $\text{Mg}^{2+}$ ,  $\text{Al}^{3+}$ ,  $\text{Zn}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Fe}^{2+}$  &  $\text{Fe}^{3+}$ )

### 1) Addition of NaOH drop wise until in excess

Observation	Inference
• White precipitate, soluble in excess OR	$\text{Zn}^{2+}$ , $\text{Al}^{3+}$ , $\text{Pb}^{2+}$ ZAP
• White precipitate, insoluble in excess OR	$\text{Mg}^{2+}$ , $\text{Ca}^{2+}$
• No white precipitate OR	$\text{Na}^+$ , $\text{K}^+$ , $\text{NH}_4^+$ present $\text{Zn}^{2+}$ , $\text{Al}^{3+}$ , $\text{Pb}^{2+}$ , $\text{Mg}^{2+}$ , $\text{Ca}^{2+}$ absent

# Kcse Chemistry Practical Guide

**LP Steffe**



## **Kcse Chemistry Practical Guide:**

The Top Books of the Year Kcse Chemistry Practical Guide The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthraling the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the engaging narratives that have captivated audiences this year. Kcse Chemistry Practical Guide : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Kcse Chemistry Practical Guide : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Kcse Chemistry Practical Guide : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Pape, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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