



GRADE 10 PHYSICAL SCIENCES

NOVEMBER EXAMINATION PAPER 2: CHEMISTRY

SECTION A

QUESTION 1

Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the LETTER (A-D) next to the QUESTION/NUMBER in your answer book.

1.1 Which of the following is an example of a mixture?

- A distilled water
- B diamond
- C sodium chloride
- D syngas

1.2 Element with the electron configuration $1s^2, 2s^2, 2p^4$

- A oxygen
- B carbon
- C helium
- D nitrogen

1.3 The chemical formula of sodium sulfide

- A NaS
- B Na_2S
- C NaS_2
- D Na_2S_2

1.4 Strongest intermolecular force found in water?

- A ion-dipole
- B Dipole-dipole
- C Van der Waals
- D Hydrogen bond

1.5 The particles of a gas ...

- A are tightly packed
- B vibrate against each other
- C move freely and rarely touch
- D move over one another

1.6 Element with the highest electronegativity?

- A Hydrogen
- B Helium
- C Oxygen
- D Fluorine

1.7 When an atom of Group 16 ionises to become an ion, the

- A mass number of the atom will increase
- B atomic number of the atom will decrease
- C number of electrons will decrease
- D number of electrons will increase

1.8 An element with the following Aufbau diagram will be classified as a

$1s^2$	2s
$2s^2 2p^4$	3s
$3s^2$	3p
$3d^5$	4s

- A noble gas
- B halogen
- C alkali earth metal
- D alkali metal

Physical Science November Grpaper2 2013

Katrin Zwirglmaier



Physical Science November Grpaper2 2013:

Physical Science November Grpaper2 2013: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have captivated audiences this year. The Must-Read : Colleen Hoover "It Ends with Us" This heartfelt tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative 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 Papen, 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 exceptional and thrilling novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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