

4.7 - REVIEW – Unit 4 – Chem. Compds & Bonding

- Atoms bond to become **STABLE** which is to say it will gain a stable and full **OCTET**.
- Ionic bonding occurs between **METALS** and **NONMETALS**. They are held together due to **OPPOSITE** charges attracting.
- In general, **METALS** are more likely to be oxidized because they have **FEWER** valence electrons while **NONMETALS** are more likely to be reduced because they have **MORE** valence electrons.
- When calcium reacts with bromine, the calcium becomes **OXIDIZED** (oxidized, reduced) and the bromine becomes **REDUCED** (oxidized, reduced). The oxidizing agent is **BROMINE**, and the reducing agent is **CALCIUM**.
- A metallic bond is the attraction between the **NUCLEUS** and the **NEGATIVE** sea of **ELECTRONS**. Which occurs between two **METALS**.
- When a transition metal forms a bond, it loses electrons from **THE S-SHELL**. For example, Zn, with electron configuration **[Ar] 4s² 3d¹⁰** will form an ion with a charge of **+2**. The ion's configuration will be **[Ar] 4s⁰ 3d¹⁰**.
- Write the equation for the formation of the following ions (elements becoming stable).



Chemistry Unit 4 Concept Review Answers

JR Anderson



Chemistry Unit 4 Concept Review Answers:

The Top Books of the Year Chemistry Unit 4 Concept Review Answers The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels enthralling the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the fascinating 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 captivated 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. Chemistry Unit 4 Concept Review Answers : 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. 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 bestselling 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 captivating 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 masterful and thrilling novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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a). What voiced consonant has the same place of articulation as [t] and the same manner of articulation as [f]? ...