

# Unleash Your Electrochemistry Mastery with Kota's Handwritten Chemistry Notes

CHEMICAL BONDING C-1

→ Force of attraction b/w two or more atoms/molecules/ions to hold them together is called chemical bond.

→ Bond formation take place to gain stability by release of energy or decrease in potential energy.

Chemical forces

Strong force  
Release energy  $> 42 \text{ kJ/mole}$   
(Chemical Bond)  
b/w atom

→ Intramolecular

- ①  $N-M + M \rightarrow$  ionic bond
- ②  $N-M + N-M \rightarrow$  sharing of electrons  
→ coordinate bond
- ③  $M-M \rightarrow$  Metallic bond.

Other  
ion-dipole  
ion-induced p.d.

Weak forces  
 $< 42 \text{ kJ/mole}$   
Intermolecular

→ VWF  
Keesom  
Debye  
London dispersion.

→ H-bond

Cause of Bond formation:

① Lewis octet rule: Every atom tries to complete its outermost shell with 8e<sup>-</sup> to gain stability. This rule is based on inertness of inert gas. Octet (8) can be achieved by transfer of e<sup>-</sup>, sharing of electron.

$NaCl \rightarrow Na^+ Cl^-$

1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>6</sup> 3s<sup>2</sup> 3p<sup>6</sup> 4s<sup>1</sup> → 1s<sup>2</sup> 2s<sup>2</sup> 2p<sup>6</sup> 3s<sup>2</sup> 3p<sup>6</sup>

→ Ionic

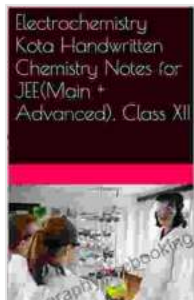
→ Covalent

→ Coordinate bond.

## Introducing the Ultimate Guide to Electrochemistry

Aspiring JEE aspirants, get ready to revolutionize your electrochemistry preparation with Kota's Handwritten Chemistry Notes. These

comprehensive notes are meticulously crafted by subject matter experts to provide an unparalleled level of clarity and understanding for this crucial JEE topic.



## Electrochemistry Kota Handwritten Chemistry Notes for JEE(Main + Advanced), Class XII (Handwritten Notes Chemistry JEE, XII board exams) by Bhavesh Mamtani

★★★★☆ 4.7 out of 5

Language	: English
File size	: 14665 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 108 pages
Lending	: Enabled
Screen Reader	: Supported



### Unveiling the Secrets of Electrochemistry

Electrochemistry plays a pivotal role in the JEE Main and Advanced exams, encompassing a wide range of concepts. Our handwritten notes expertly cover:

- **Electrochemical Cells:** Construction, working principles, and types, including galvanic and electrolytic cells.
- **Electrolytic Conductivity:** Measurement, factors affecting conductivity, Kohlrausch's Law, and molar conductivity.
- **Thermodynamics of Electrochemistry:** Gibbs free energy, cell potential, Nernst equation, and equilibrium constants.

- Electrochemical Series: Standard electrode potentials, their significance, and applications in predicting cell reactions.
- Electrolysis: Faraday's laws, industrial applications of electrolysis, and electrochemical industries.

### Why Choose Kota's Handwritten Notes?

- **Concise and Structured:** Notes are meticulously organized and presented in a clear, easy-to-understand format.
- **Expert Insights:** Compiled by Kota's top chemistry educators, providing valuable shortcuts, tricks, and exam-oriented insights.
- **Step-by-Step Solutions:** Complex problems are broken down into manageable steps, fostering conceptual understanding.
- **Extensive Coverage:** Notes cover the entire electrochemistry syllabus prescribed by the JEE exam.
- **Time-Saving:** Handwritten notes save precious time, enabling focused preparation on the most important concepts.

### Elevate Your JEE Preparation

With Kota's Handwritten Chemistry Notes, you'll:

- Grasp the fundamental concepts of electrochemistry.
- Solve complex problems with confidence.
- Build a strong foundation for higher-level chemistry concepts.
- Enhance your problem-solving skills.
- Maximize your chances of success in JEE Main and Advanced.

## Free Download Your Copy Today

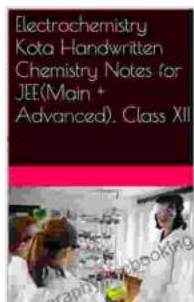
Don't let electrochemistry become a stumbling block in your JEE journey. Free Download your copy of Kota's Handwritten Chemistry Notes for Electrochemistry today and unlock your full potential.

Click here to Free Download now.

### Customer Testimonials:

"These notes are a lifesaver! They made electrochemistry so much easier to understand." - **Sahil, IIT Delhi**

"I highly recommend these notes for anyone preparing for JEE. They were invaluable in my preparation." - **Aayush, IIT Kanpur**



### Electrochemistry Kota Handwritten Chemistry Notes for JEE(Main + Advanced), Class XII (Handwritten Notes Chemistry JEE, XII board exams) by Bhavesh Mamtani

★★★★☆ 4.7 out of 5

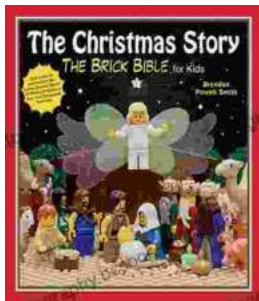
Language : English  
File size : 14665 KB  
Text-to-Speech : Enabled  
Enhanced typesetting : Enabled  
Print length : 108 pages  
Lending : Enabled  
Screen Reader : Supported





## Rediscover the Old Testament with a Captivating Graphic Novel

Prepare to embark on an extraordinary literary journey as you dive into the pages of Brick Bible Presents: New Spin on the Old Testament. This captivating graphic novel...



## The Christmas Story: The Brick Bible for Kids

LEGO® Bricks Meet the Nativity Prepare your children for the magic of Christmas with The Brick Bible for Kids: The Christmas Story. This beloved...