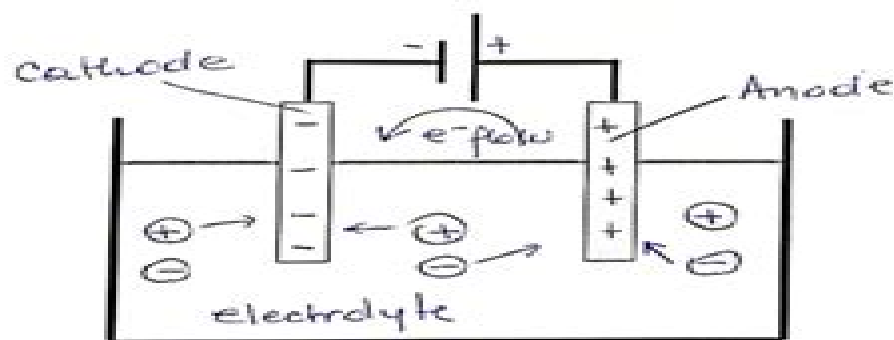


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What is Electrochemistry?

Branch of chemistry that relates chem reactions & electricity

1. **BATTERIES:** apparatus that produces electricity through a chem reaction
2. **ELECTROLYSIS:** Breaking down a substance using electricity
Electro: electricity
Lysis: breaking down
3. **CONDUCTORS:** substances that allow electricity to flow (they have e^- or ions)
EXAMPLES: Metals, graphite, molten ionic compounds, dissolved
4. **INSULATORS:** substances that prevent electricity to flow.
EXAMPLES: plastics, wood, rubber, solid ionic compounds, etc



5. **ELECTROLYTE** liquid substance containing ions
6. **POSITIVE IONS** cations
7. **NEGATIVE IONS** anions
8. **ELECTRODES** rods of conductive material

Chemistry Ch 21 Study Guide Electrochemistry

Lingsheng Yao



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Electrochemical Storage Materials Dirk C. Meyer, Tilmann Leisegang, Matthias Zschornak, Hartmut Stöcker, 2018-12-17 This work gives a comprehensive overview on materials processes and technological challenges for electrochemical storage and conversion of energy Optimization and development of electrochemical cells requires consideration of the cell as a whole taking into account the complex interplay of all individual components Considering the

availability of resources their environmental impact and requirements for recycling the design of new concepts has to be based on the understanding of relevant processes at an atomic level

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Electrochemistry of Insertion Materials for Hydrogen and Lithium Su-Il Pyun, Heon-Cheol Shin, Jong-Won Lee, Joo-Young Go, 2012-08-22 The understanding of hydrogen lithium insertion phenomena is of great importance for the development of the next generation of functional electrochemical devices such as rechargeable batteries electrochromic devices and fuel cells This volume introduces a variety of viable electrochemical methods to identify reaction mechanisms and evaluate relevant kinetic properties of insertion electrodes The authors also outline various ways to analyze anomalous behaviour of hydrogen lithium transport through insertion electrodes

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kecepatan rpm dan daya power pada sebuah elektro motor serta bagaimana hubungan antara torsi kecepatan dan daya
rumus menghitung rpm motor listrik $f \times 120 \text{ pn}$ $f \times 120 \text{ pn}$ 50hz x 120 4n

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web torsi pada motor dapat ditentukan dengan rumus umum yaitu $t = \frac{P}{\omega}$ atau $t = \frac{P}{2\pi n / 60}$ t torsi motor n m p daya motor w att n jumlah putaran motor rp m terdapat 3 macam daya yaitu daya celah udara p12 daya rotor p2 dan daya keluaran po oleh karena itu torsi pada motor induksi 3 fasa dibedakan menjadi torsi

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web dan menariknya kita juga dapat memperhitungkan putaran rotor per menit rpm pada sebuah dinamo motor listrik dengan menggunakan rumus berikut ini $\text{rpm} = f \times 120 / p$ keterangan

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apabila kamu hendak mengetahui cara menghitung torsi gearbox seperti belt conveyor dengan putaran 15 rpm dengan listrik 1500 rpm dan gearbox yang ada memiliki ratio 50 maka torsi nya dapat dihitung dengan rumus n_2

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web dalam dunia industri yang menggunakan motor motor listrik umumnya menggunakan motor induksi inverter berfungsi untuk mengatur kecepatan motor tersebut kecepatannya motor induksi ditentukan oleh frekuensi tegangan dan jumlah kutub motor seperti yang dijelaskan dalam rumus menghitung putaran motor atau rpm $n = 120 f / p$ dimana n

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