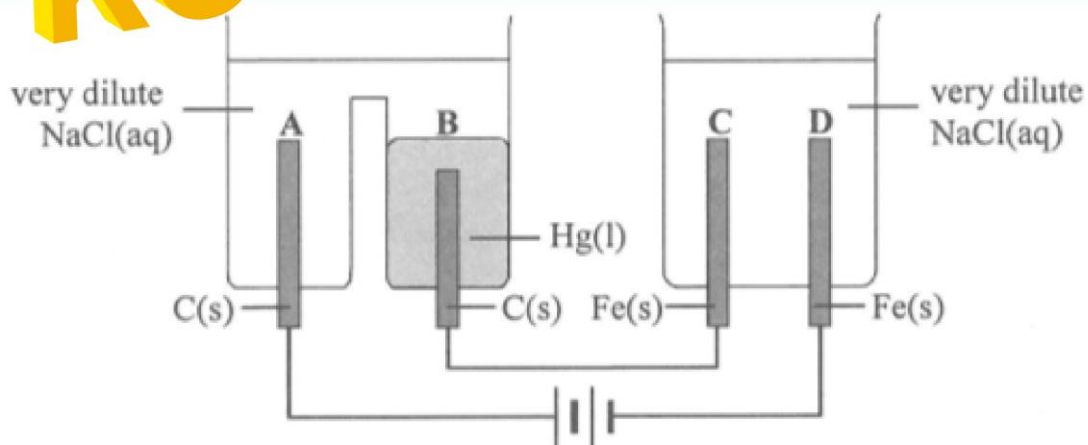


KO

氧化還原反應

Redox reaction



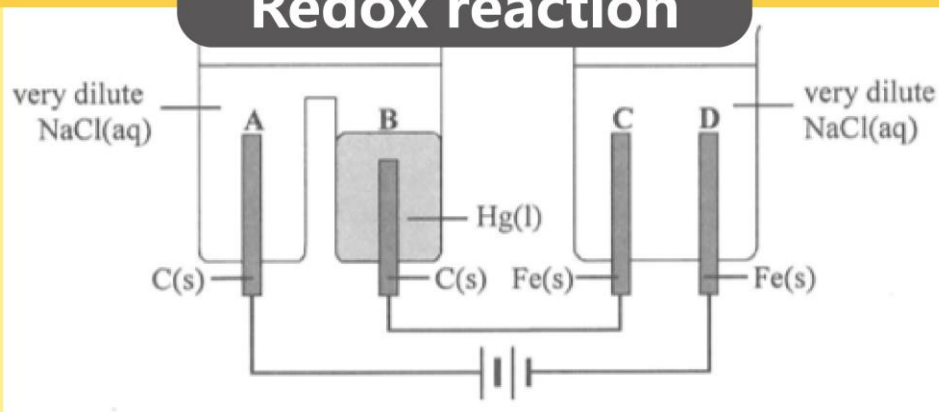
這個課題教統局報告年年都講大部分考生答得不太好

教你三步 K.O. 題目

解題 Concept →



Redox reaction



先睇睇個題目！！

What would happen during electrolysis?

- A. Oxygen forms around A.**
- B. Chlorine forms around B**
- C. Hydrogen forms around C.**
- D. Iron(II) ions form around D.**

KO

解題 三步曲

Step 1:

find out positive and negative electrode;

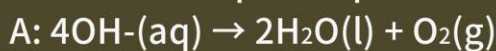
Step 2:

Find out the ions attached in electrode A to D

A: OH ⁻ (aq), Cl ⁻ (aq)	C: OH ⁻ , Cl ⁻ and Fe
B: Na ⁺ (aq), H ⁺ (aq)	D: Na ⁺ (aq), H ⁺ (aq)

Step 3:

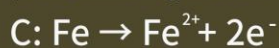
State which species preferentially discharging



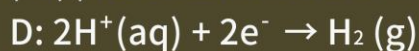
(OH⁻(aq) lose electrons easier than Cl⁻(aq))



(because Hg act as electrode, Na⁺ is preferentially discharging)



(Fe(s) lose electrons easier than other two ions.)



(H⁺(aq) gain electrons easier than Na⁺(aq))

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DSE CHEMISTRY

The correct answer is **A.**

香港華德福教育基金會瑪利亞書院

謝老師