

小哥哥小姐姐講半導體

晶進未來

新竹高中 賴志賢 宋彥廷 蔡尚逸

動機分享

課程

應用半導體:元件篇

1

認識半導體

2

半導體-二極體

3

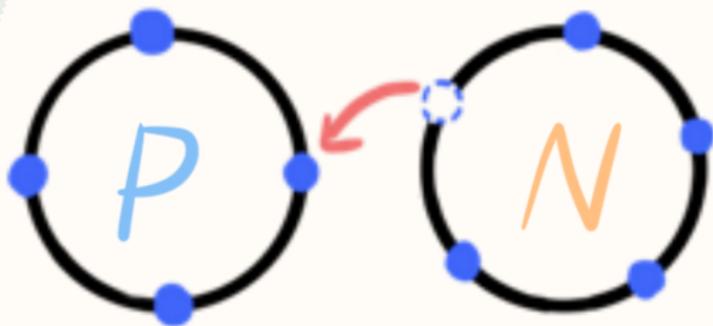
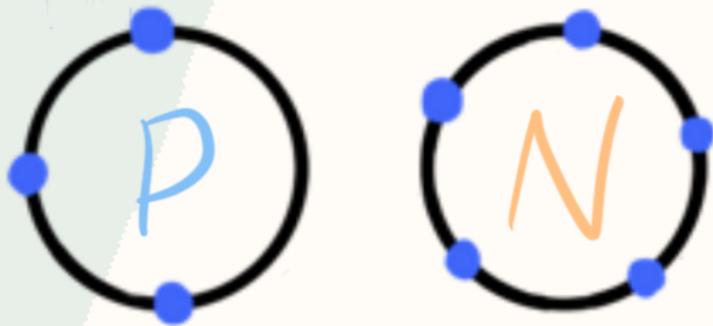
半導體-電晶體

4

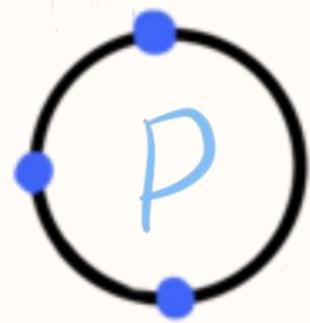
實作作品

01-

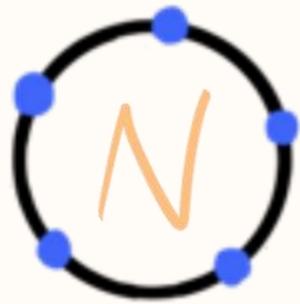
認識半導體



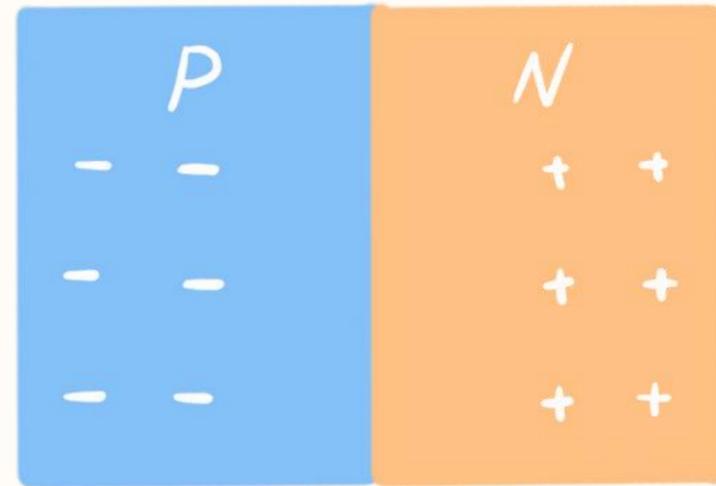
02- 二極體



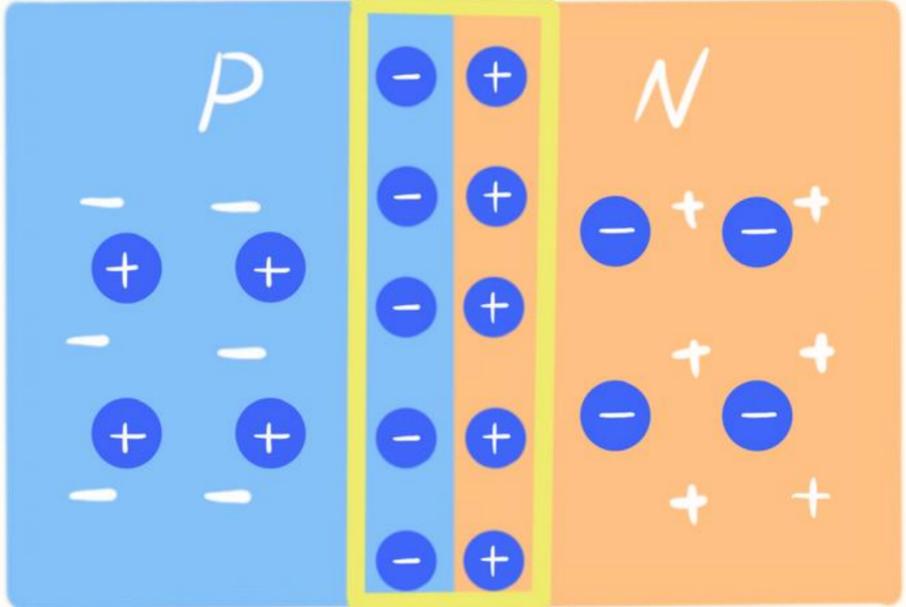
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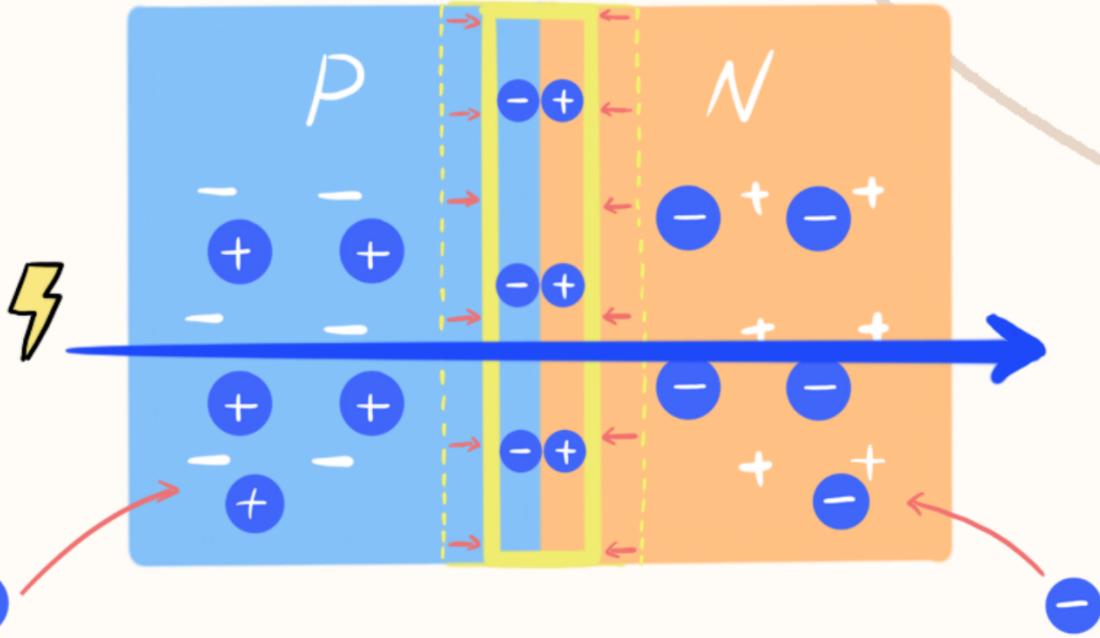
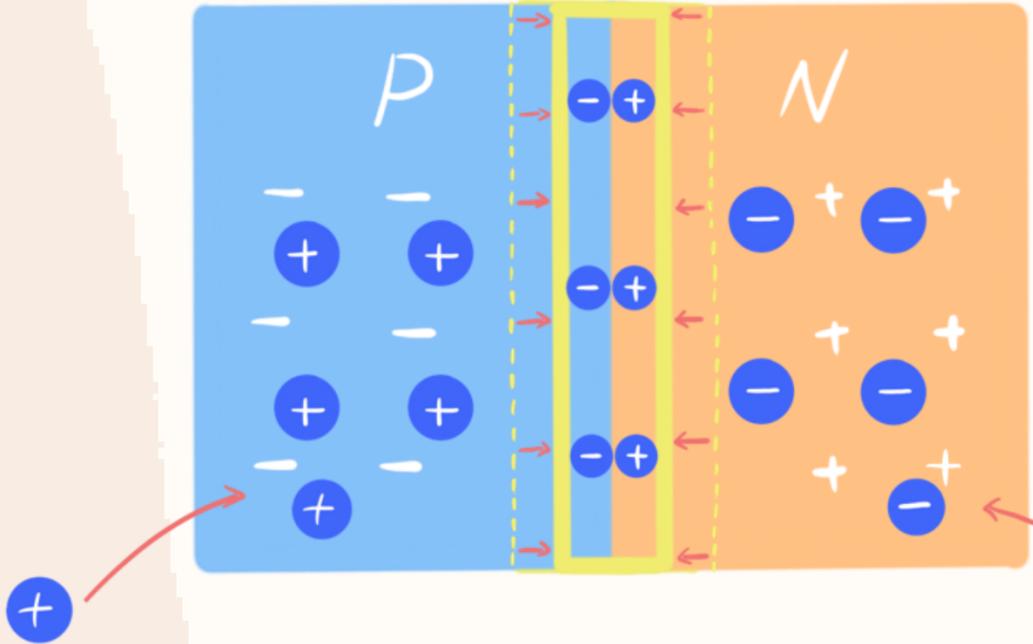
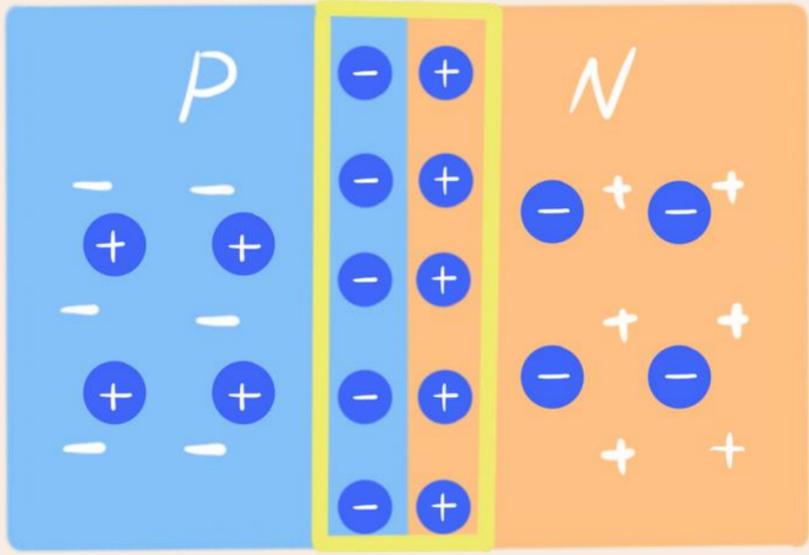


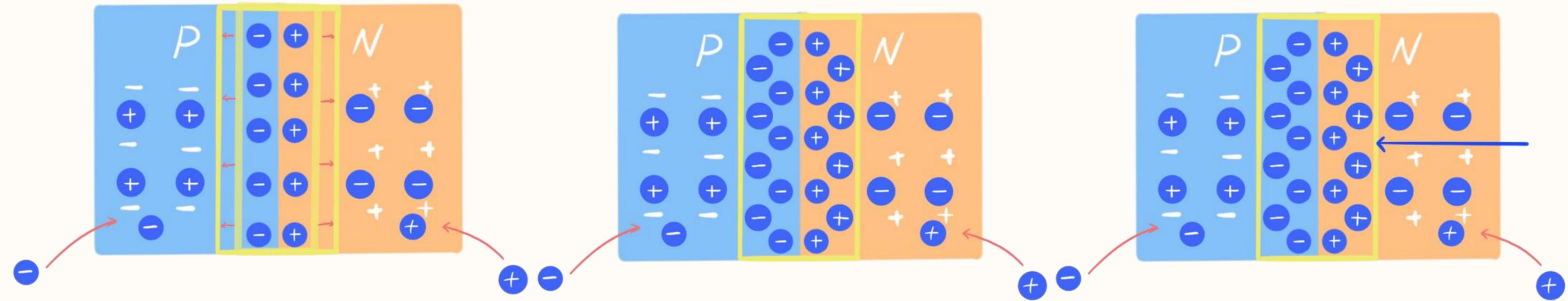
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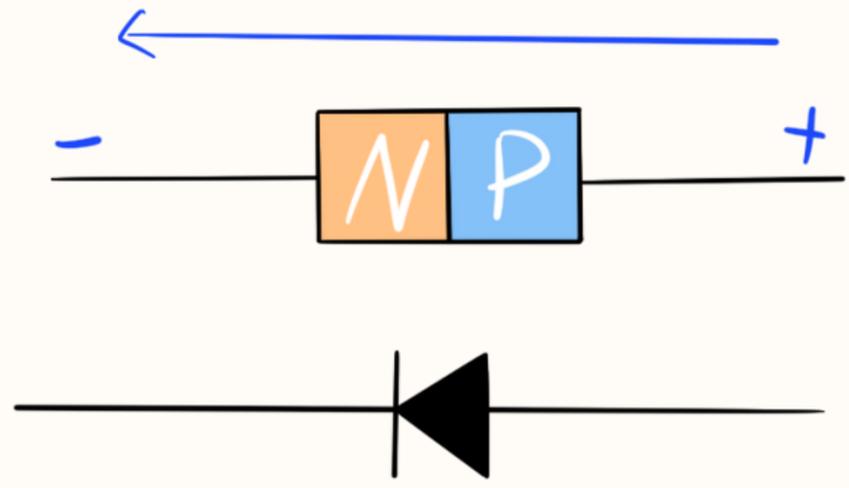
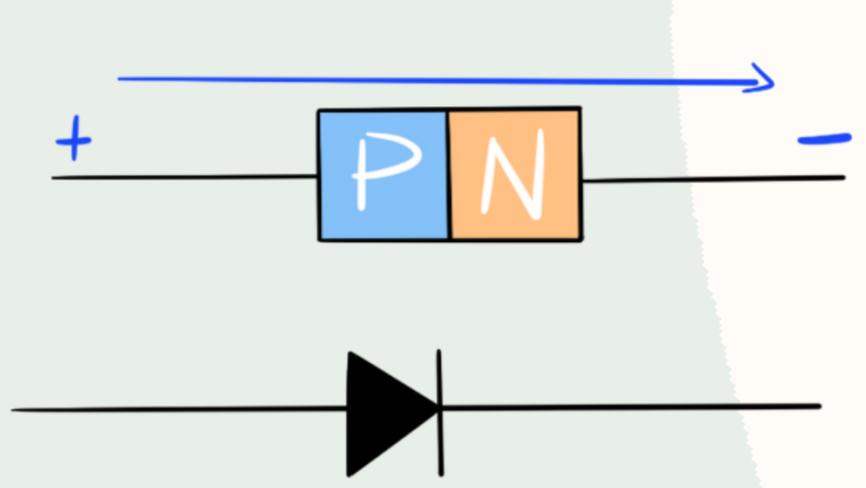


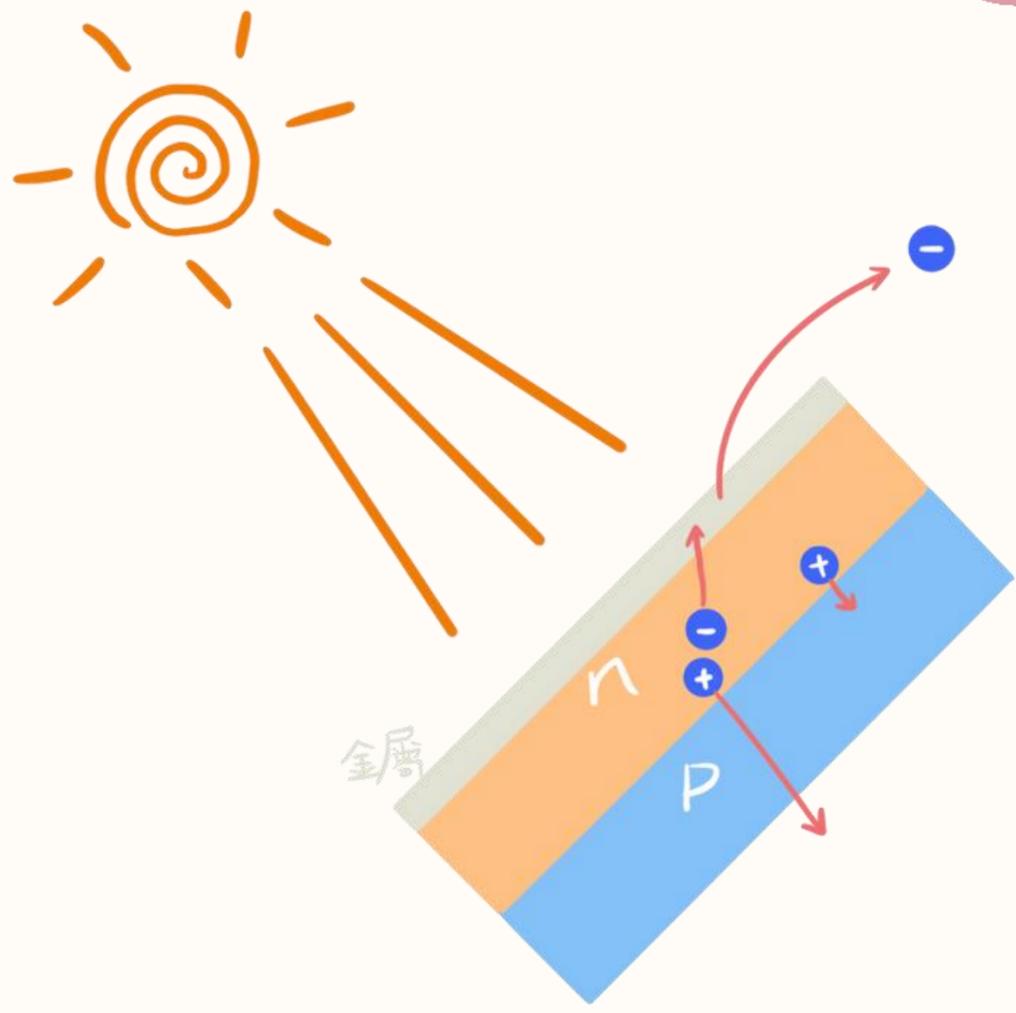






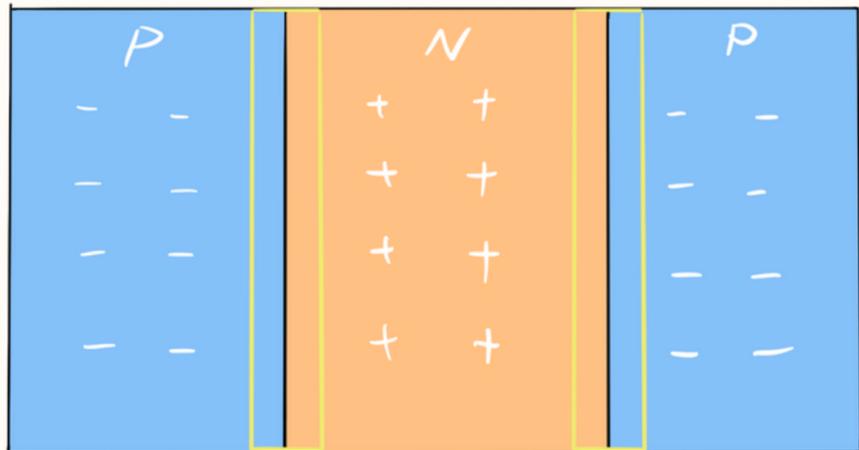
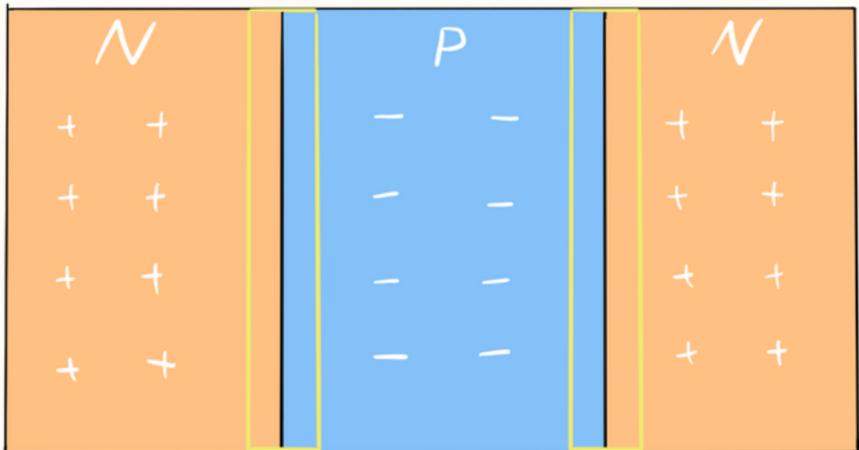






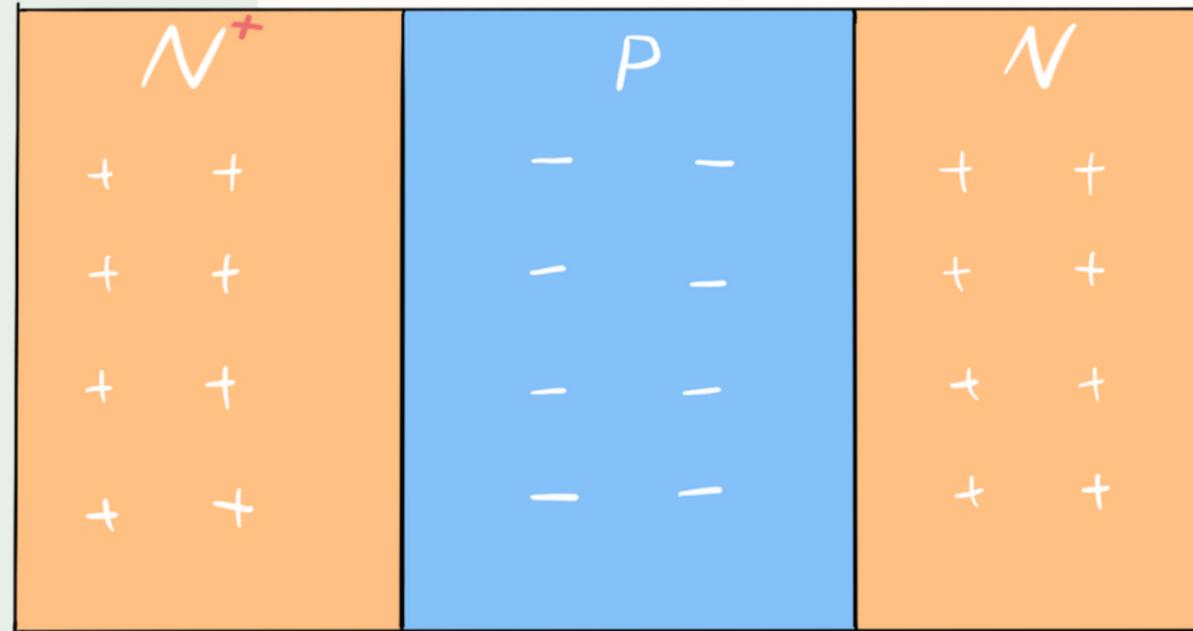
03-

電晶體介紹



發射電洞

射極
Emitter

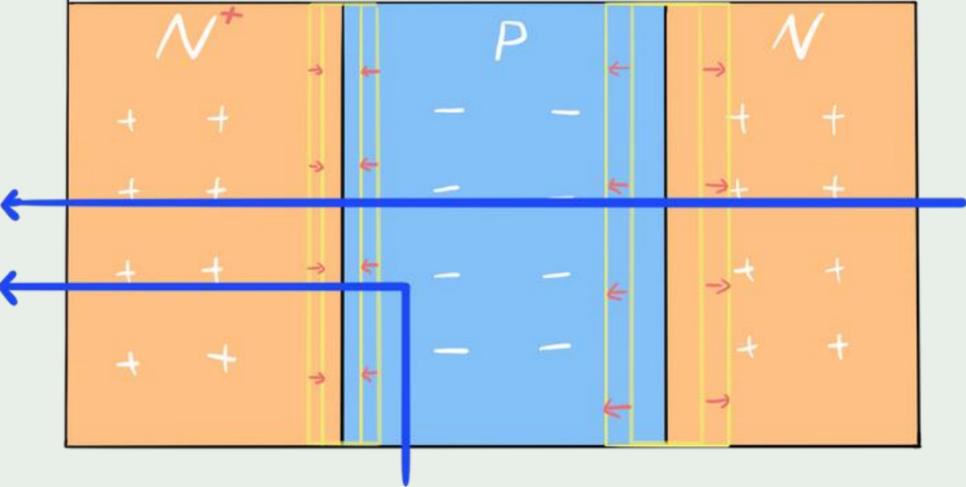


集極
Collector

蒐集電洞

基極
Base

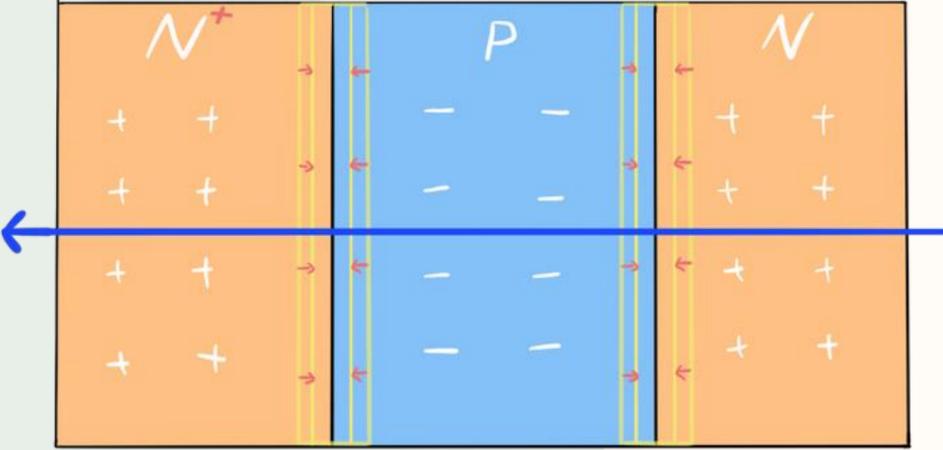
主動模式



順向偏壓

逆向偏壓

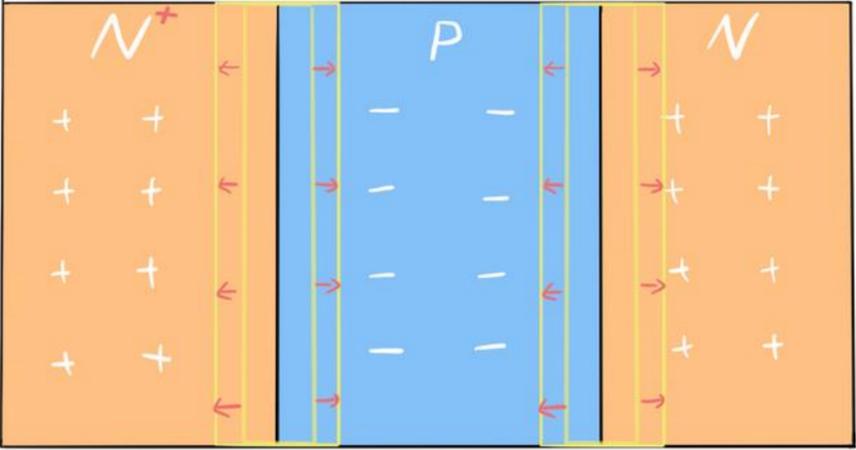
飽和模式



順向偏壓

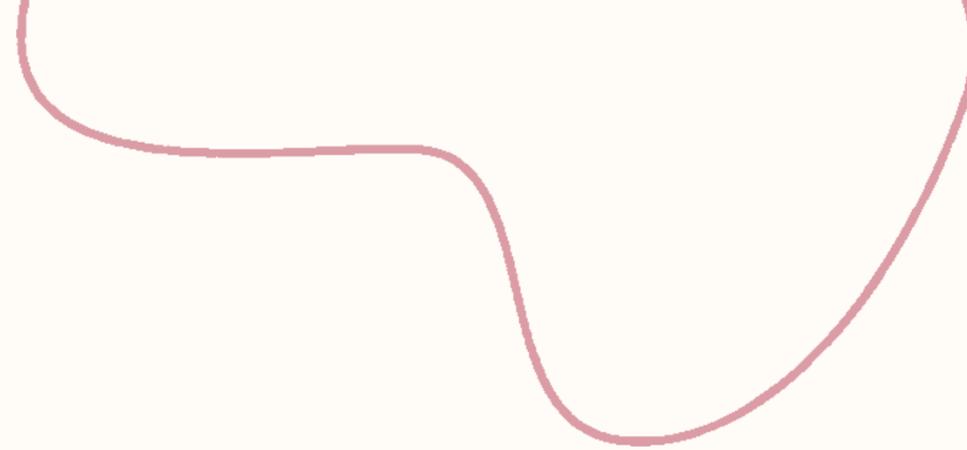
順向偏壓

截止模式



逆向偏壓

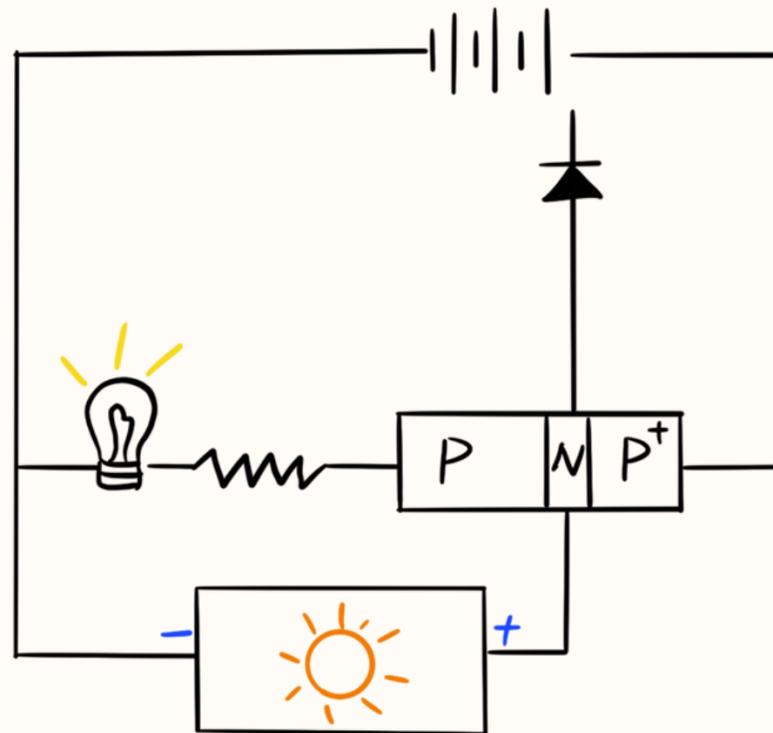
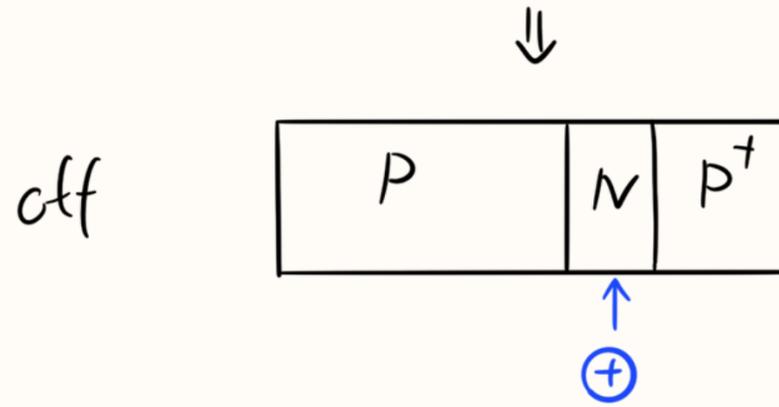
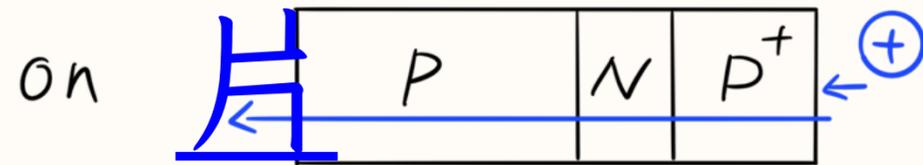
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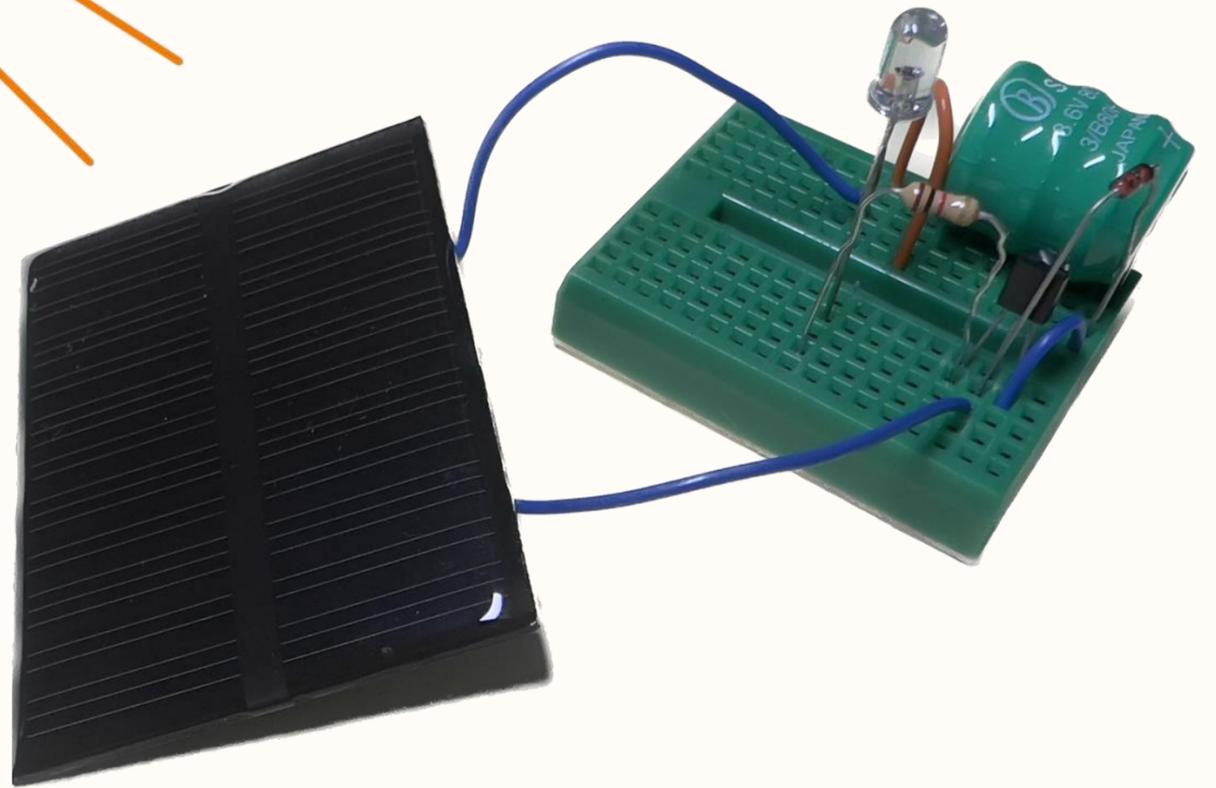
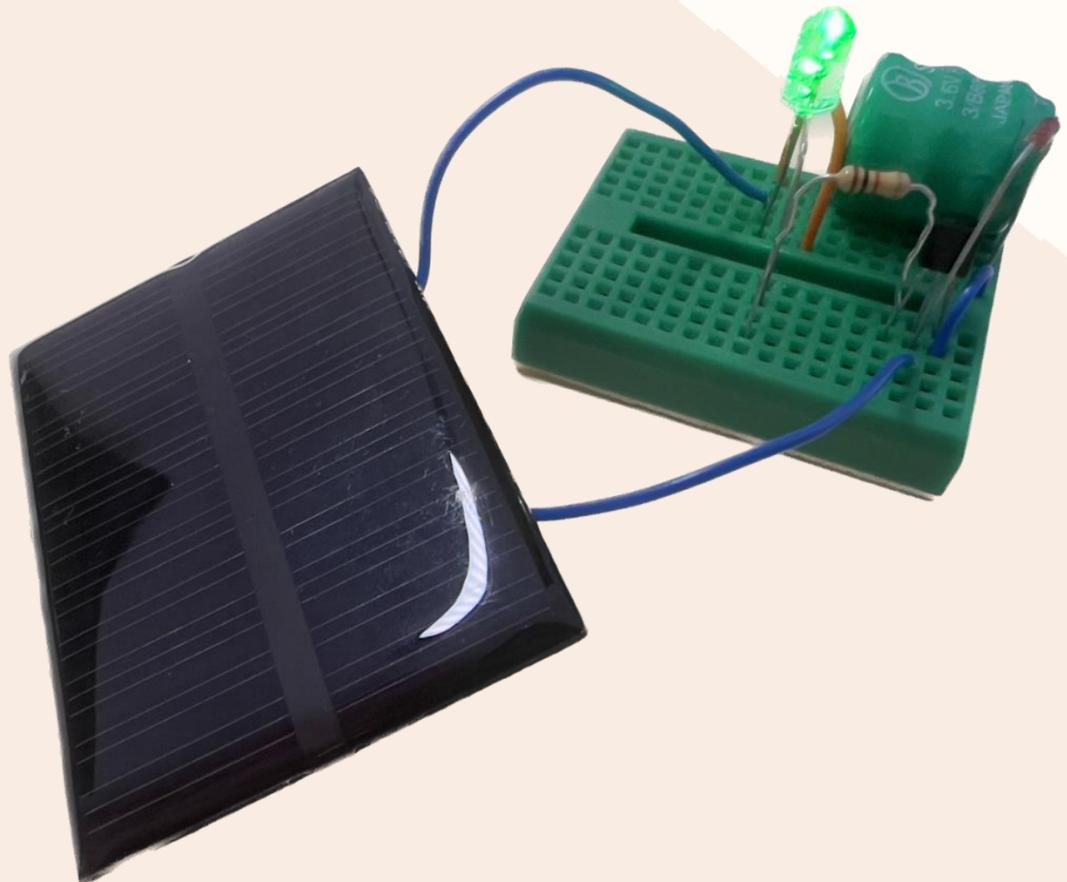


04-

實作作品

作品影





心得分享

Thanks for your listening!