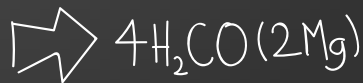
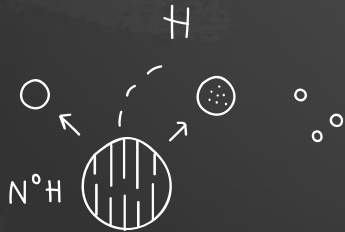
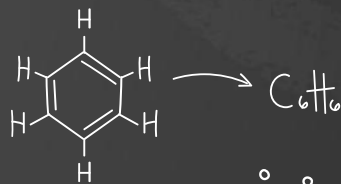
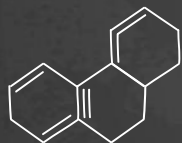
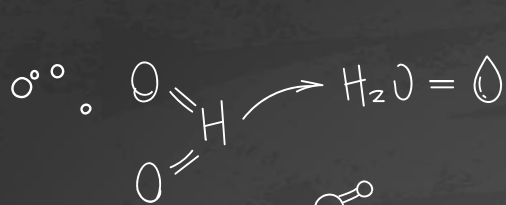


Chemistry Lesson

柯得真



Chemist App

化學家

沒有器材和場所的限制、自由地體驗各種化學反應、
嘗試自己設計的實驗、不用擔心危險和浪費

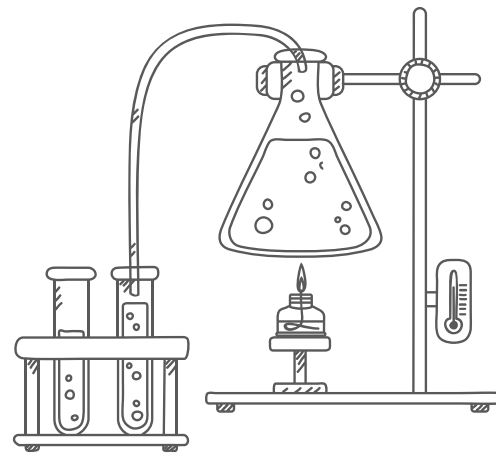
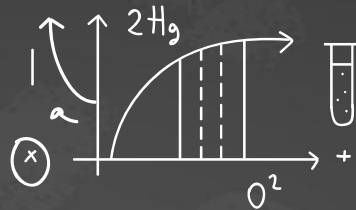
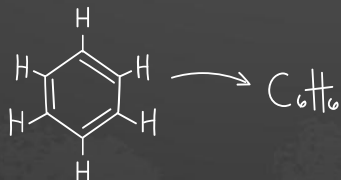
<https://apps.apple.com/tw/app/%E5%8C%96%E5%AD%B8%E5%AE%B6-chemist/id440666387>

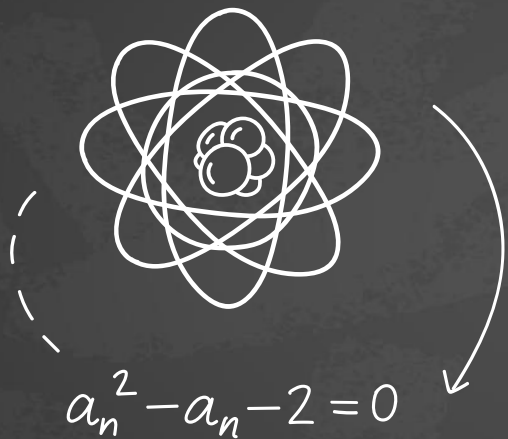
https://play.google.com/store/apps/details?id=air.thix.sciencesense.chemist&hl=zh_TW&gl=US

01.

Chemist App

化學家





「Chemist」是一個可隨身攜帶的化學實驗室，並能夠在虛擬的實驗中探索化學反應，你可以嘗試混合各種化學試劑，把它們倒進燒杯和試管，各種折騰來嘗試各種化學反應，滿足你的好奇心。



Good ?

$$\sqrt{2+a_n} = a_n$$

01.

絕對安全



02.

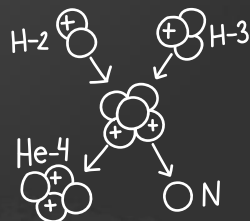
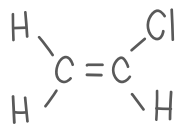
更深刻的學習方法

03.

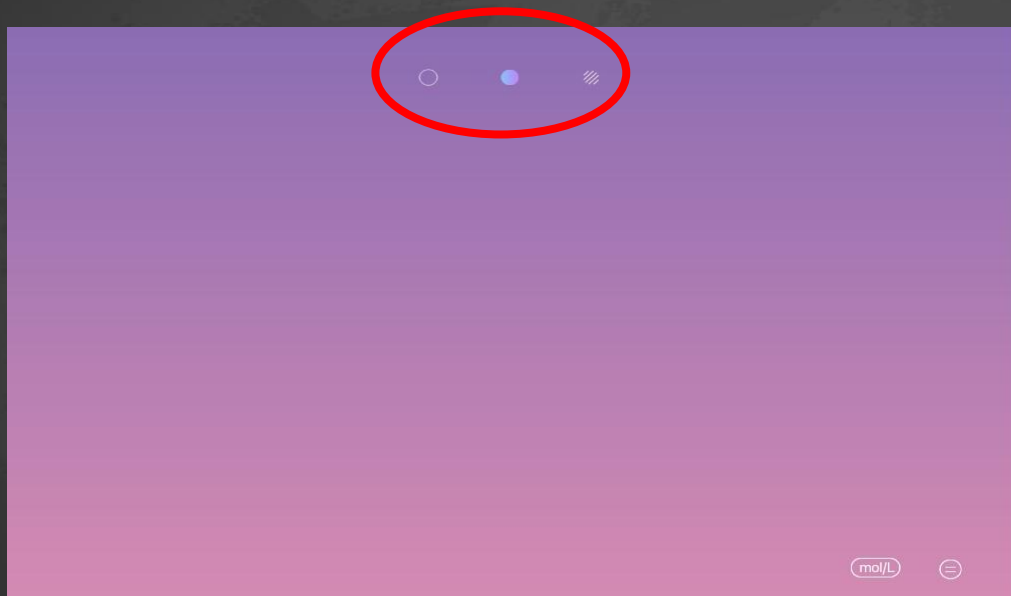
真實的實驗體驗

04.

實驗報告



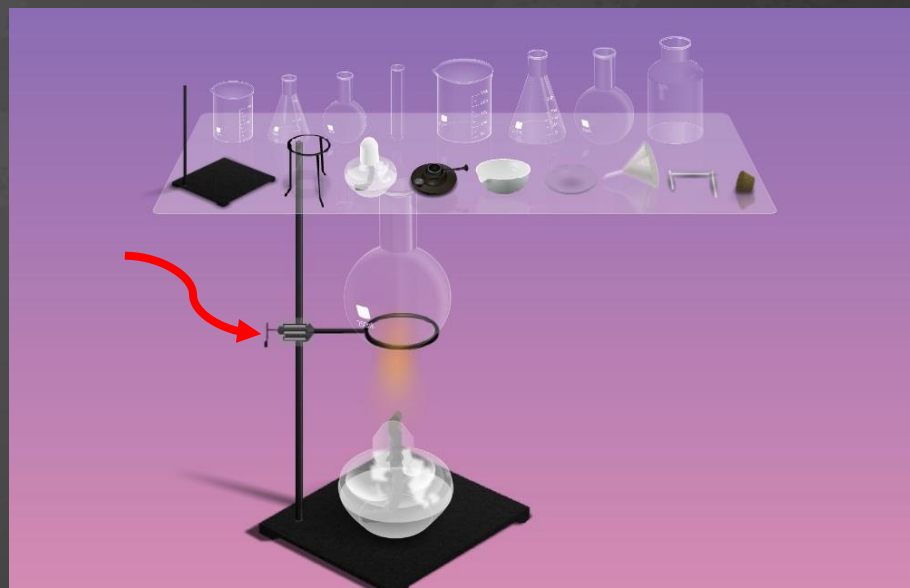
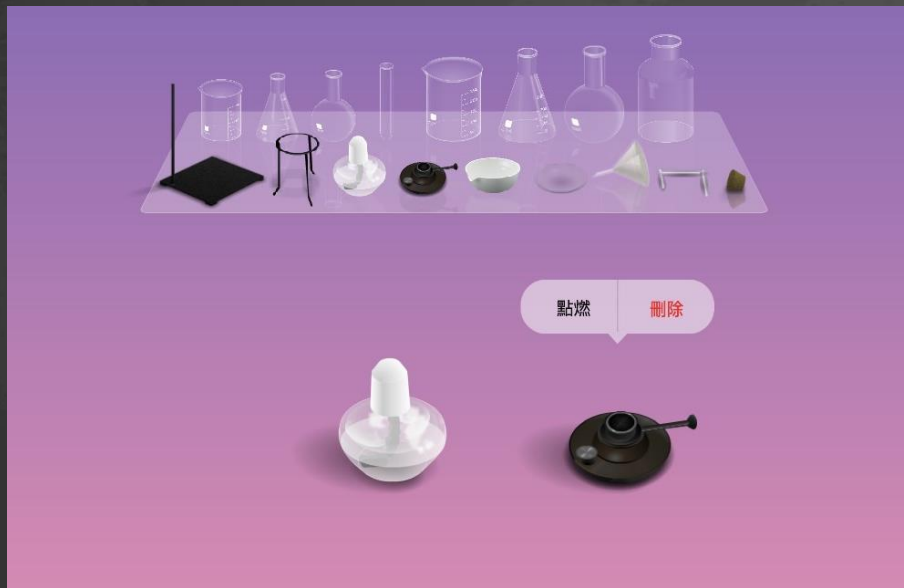
Let's Start

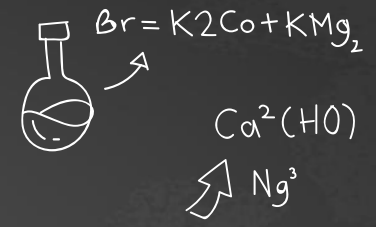
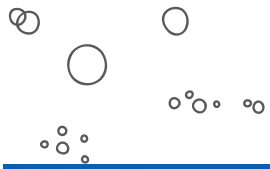


左邊圓點

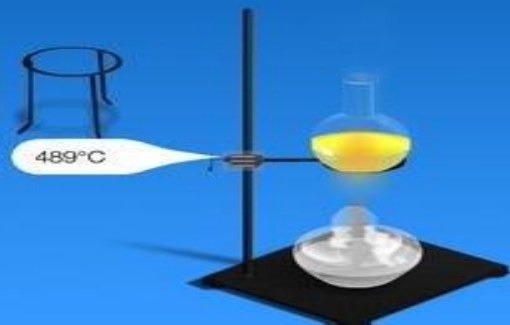
實驗器材，點選然後
拖拉放在空白處







調整支架可以調節火焰溫度



$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$



有機物

固體

液體

氣體



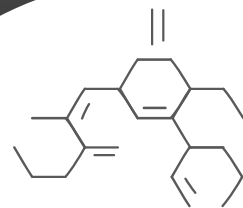
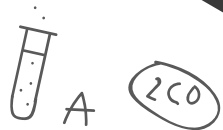
Mixture Solid Liquid Gas ☆

Br₂ CuH₂O₂ H₂O H₂SO₄ HF H₂ HNO₃ LAF SO₂ X₁ X₂ X₃ X₄ X₅ Y₁ Y₂

23 mL
0.4 mol

H₂SO₄

注意長按試劑可以選擇添加的量





酸鹼試紙

溫度計

攪拌棒

滴管

火柴棒

冷凍棒

This IS a Table



Mercury

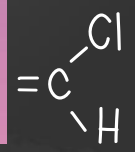
Jupiter

Venus

關閉

-  質量 (g)
-  體積 (mL)
-  物質的 amount (mol)
-  溫度 (°C)
-  摩爾濃度 (mol/L)

mol/L





- 爆炸
- 音效
- 溫度 25 °C >
- 空氣 Pure Oxygen >
- 時間速度 >
- 元素週期表 >
- 實驗報告 >
- 用戶手冊 >
- A 語言 >
- 關於 >



This IS a Map



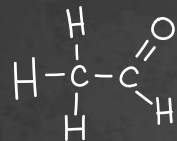
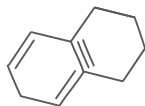
Lab Report

20/3/2019

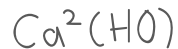


Procedures

1. 000000 250 00 0 1x 00000
2. 00 Flask(250mL)1 00000
3. 00 Steel stand1 00000
4. 00 Tripod1 00000
5. 00 Alcohol lamp1 00000
6. 00 Alcohol lamp1 0 Steel stand10
7. 00 Alcohol lamp1 0 Steel stand10
8. 00 Alcohol lamp10
9. 00 Flask(250mL)1 0 Tripod10
10. 00 Flask(250mL)1 0 Steel stand10
11. 00 6.1g AgBr(s) 0 Flask(250mL)10
12. 00 Alcohol lamp1 0 Steel stand10
13. 00 23ml H₂SO₄(1) 0 Flask(250mL)10
14. 00 Alcohol lamp1 0 Steel stand10
15. 00 Flask(250mL)1 0 Tripod10
16. 00 Alcohol lamp1 0 Steel stand10
17. 00 Alcohol lamp1 0 Steel stand10
18. 00 Flask(250mL)1 0 Steel stand10
19. 00 Flask(250mL)1 0 Steel stand10
20. 00 Alcohol lamp1 0 Steel stand10
21. 00 Flask(250mL)1 0 Steel stand10
22. 00 Flask(250mL)1 00000
23. 00 Flask(250mL)1 0 Steel stand10
24. 00 Test tube1 00000
25. 00 Flask(250mL)1 0000000



Introduction

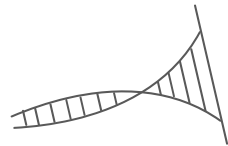
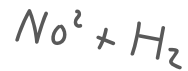


<https://www.youtube.com/watch?v=tf9WT3HpjtE>



$$a_{n+1} - a_n = 0_n$$



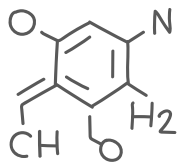


225 days

is the time Venus takes to orbit the Sun

49,244 km

is the diameter of Neptune



$$\sqrt{2 + a_n} = a_n$$