

高二級

科目名稱	主題	自學內容	學生作業
中文	網上閱讀、《中學語文基礎知識》及語文基礎練習	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台：連結_____ <input type="checkbox"/> 其他（請註明）：_____	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input checked="" type="checkbox"/> 電子學習平台：連結 <a href="https://macao.i-learner.com.hk/">https://macao.i-learner.com.hk/</a> <input type="checkbox"/> 其他（請註明）：_____

1. 各級學生必須每天完成一篇網上閱讀。
2. 預習及完成《中學語文基礎知識》第二部分

六、同義詞 反義詞

練習七的 A、B、C、D 練習題(Pg26-29)

3. 完成語文基礎練習 20 題（題目由班主任上傳至班群）。

[https://docs.google.com/forms/d/e/1FAIpQLSf0x0qNqRawZK890Qmf3ARA\\_eE3nbtIiQ5Rz6EFEBYPc4SZWA/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSf0x0qNqRawZK890Qmf3ARA_eE3nbtIiQ5Rz6EFEBYPc4SZWA/viewform?usp=sf_link)

高二甲英文 (4月 27-28 日)

科目內容	主題	自學內容	學生作業
英文	Grammar	工作紙	工作紙

自學內容：請於 28/4 號課前完成以下選擇題，28/4 網課時會進行講解。

- 1) Mark often attempts to escape \_\_\_\_ whenever he breaks traffic regulations.  
A) having been fined    B) to have been fined    C) to be fined    D) being fined
- 2) My wife said in her letter that she would appreciate \_\_\_\_ from you sometime.  
A) to have heard    B) to hear    C) for hearing    D) hearing
- 3) The thief took away the woman's wallet without \_\_\_\_.  
A) being seen    B) seeing    C) him seeing    D) seeing him
- 4) People appreciate \_\_\_\_ wit him because he has a good sense of humor.  
A) to work    B) to have worked    C) working    D) have working
- 5) I've enjoyed \_\_\_\_ to talk with you.  
A) to be able    B) being able    C) to been able    D) of being able
- 6) No one can avoid \_\_\_\_ by advertisements.  
A) to be influenced    B) being influenced    C) influencing    D) having influence
- 7) They are considering \_\_\_\_ before the prices go up.  
A) of buying the house    B) with buying the house    C) buying the house    D) to buy the house
- 8) He thought that \_\_\_\_.  
A) the effort doing the job was not worth    B) the effort was not worth in doing the job  
C) it was not worth the effort doing the job    D) it was not worth the effort by doing the job
- 9) If I had remembered \_\_\_\_ the door, the things would not have been stolen.  
A) to lock    B) locking    C) to have locked    D) having locked
- 10) Your shirt needs \_\_\_\_\_. You'd better have it done today.  
A) iron    B) to iron    C) ironing    D) being ironed
- 11) You can't help \_\_\_\_ commercials; every few minutes the program is interrupted to give you one advertisement or another.  
A) to hear    B) to be heard    C) hearing    D) with hearing
- 12) My transistor radio isn't working. It \_\_\_\_\_.  
A) need repairing    B) needs to repair    C) needs repairing    D) need to be repaired
- 13) It is no use \_\_\_\_ me not to worry.  
A) you tell    B) your telling    C) for you to have told    D) having told
- 14) He is very busy \_\_\_\_ his papers. He is far too busy \_\_\_\_ callers.  
A) to write...to receive    B) writing...to receive    C) writing...receiving    D) to write...for receiving
- 15) The suspect at last admitted \_\_\_\_ stolen goods but denied \_\_\_\_ them.  
A) receiving...selling    B) to receive...to sell    C) to receiving...to selling    D) to have received...to have sold
- 16) She apologized for \_\_\_\_ to come.  
A) her not being able    B) her being not able    C) not being able    D) that she's not able to
- 17) I really appreciate \_\_\_\_ to help me, but I am sure that I can manage by myself.  
A) you to offer    B) that you offer    C) your offering    D) that you are offering
- 18) Please stop \_\_\_\_, boys, I have something important to \_\_\_\_ you.  
A) saying ...talk    B) telling ... say    C) talking ...speak    D) talking ... tell
- 19) Tony, would you go and see if Sam has any difficulty \_\_\_\_ his tape recorder?  
A) to fix    B) fixing    C) for fixing    D) fix

- 20) "Why isn't Nancy going to meet us?" "It's my fault. I forgot all about \_\_\_\_ her."  
 A) telephoning to      B) to telephone      C) to telephone to      D) the telephoning to
- 21) "Why were you late?" "I had a hard time \_\_\_\_ up this morning."  
 A) to get      B) get      C) got      D) getting
- 22) I remember \_\_\_\_ to help us if we ever got into trouble.  
 A) once offering      B) him once offering      C) him to offer      D) to offer him
- 23) John regretted \_\_\_\_ to the meeting last week.  
 A) not going      B) not to go      C) not having seen going      D) not to be going
- 24) It is difficult to get used \_\_\_\_ in a tent after having a soft, comfortable bed to lie on.  
 A) sleep      B) to sleeping      C) slept      D) to sleep
- 25) He gives people the impression \_\_\_\_ many poems.  
 A) of having written      B) to have written      C) of being written      D) to write
- 26) Do you feel like \_\_\_\_ out or would you rather \_\_\_\_ dinner at home?  
 A) going...to have      B) to go...to have      C) to go...having      D) going...have
- 27) Prior to \_\_\_\_ the formal speech, first he will introduce himself.  
 A) delivering      B) deliver      C) being delivering      D) being delivered
- 28) I don't mind \_\_\_\_ by bus, but I hate \_\_\_\_ in queues.  
 A) to travel...standing      B) having traveled...standing      C) traveling...to stand      D) traveling...standing
- 29) What about \_\_\_\_ double quantities of everything today? We have hardly time to go \_\_\_\_ next week.  
 A) buying...to shop      B) buy...shopping      C) buying...shopping      D) to buy...shopping
- 30) We had some trouble \_\_\_\_ the house and nobody seemed \_\_\_\_ where it was.  
 A) in finding...knowing      B) finding...to know      C) to find...knowing      D) to find...to know
- 31) We can't imagine \_\_\_\_ in the entrance examination, for she has never been to school.  
 A) she succeeding      B) her succeeding      C) she succeed      D) her to succeed
- 32) I don't like \_\_\_\_ at me.  
 A) them laughing      B) their laugh      C) them laugh      D) them to have laughed
- 33) We suggested \_\_\_\_ in hotels but the children were anxious \_\_\_\_ out.  
 A) sleeping...to camp      B) sleeping...camping      C) to sleep...to camp      D) to sleep...camping
- 34) I have no objection \_\_\_\_ the evening with them.  
 A) to spend      B) to spending      C) of spending      D) spending
- 35) After \_\_\_\_ for the job, you will be required to take a language test.  
 A) being interviewed      B) interviewed      C) interviewing      D) having interviewed
- 36) The match was cancelled because most of the members \_\_\_\_ a match without a standard court.  
 A) objected to having      B) were objected to have      C) objected to have      D) were objected to having
- 37) Jean did not have time to go to the concert last night because she was busy \_\_\_\_ for her examination.  
 A) to prepare      B) to be prepared      C) preparing      D) being prepared
- 38) It is no good \_\_\_\_ remember grammatical rules. You need to practise what you have learned.  
 A) trying to      B) to try to      C) try to      D) tried to
- 39) After \_\_\_\_ him better, I regretted \_\_\_\_ him unfairly.  
 A) getting to know...to judge      B) getting to know...to have judged  
 C) getting to have know...judging      D) getting to know...having judged
- 40) He is looking forward to \_\_\_\_ his holiday in Britain.  
 A) spend      B) have spent      C) spending      D) having been spending
- 41) Before \_\_\_\_ the house, you should get a surveyor \_\_\_\_ over it.  
 A) buying...looking      B) having bought...to look      C) buying...to have looked      D) buying...to look
- 42) In some countries people favor \_\_\_\_ together even though there is much more space.  
 A) to stay      B) stay      C) staying      D) stayed
- 43) "Why was Fred so upset?" "He isn't used \_\_\_\_ criticized."  
 A) be      B) to be      C) to being      D) having been

44) It's no use \_\_\_\_\_ to get a bargain these days.

- A) to expect                      B) expecting                      C) wanting                      D) you expect

45) "Why were you so late for work today?" "\_\_\_\_\_ to the office was very slow this morning because of the traffic."

- A) Driving                      B) I drove                      C) To drive                      D) That I drove

46) It was impolite of him \_\_\_\_\_ without \_\_\_\_\_ good-bye.

- A) to leave, saying                      B) leaving, to say                      C) to leave, to say                      D) leaving, saying

47) He kept \_\_\_\_\_ to his parents.

- A) putting off to write                      B) to put off to write                      C) putting off writing                      D) to put off writing

48) I'll go with you after I get through with \_\_\_\_\_ the house.

- A) cleaning                      B) to cleaning                      C) to be cleaned                      D) having cleaned

49) With apples at 25 cents a pound, we couldn't resist \_\_\_\_\_ four pounds.

- A) to take                      B) took                      C) taking                      D) have taken

50) How can you keep the machine \_\_\_\_\_ when you are away?

- A) run                      B) to run                      C) running                      D) being run

科目名稱	主題	自學內容	學生作業
数学	新课 (3)排 列， 組合	<input type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台：連結____ <input type="checkbox"/> 其他（請註明）：____	<input type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台：連結____ <input type="checkbox"/> 其他（請註明）：____

學生需於5月1日或前完成以下練習題，可參考下列例題。

要求：每題都需要抄題目，並完成到功課簿中

參考：課本P94~P106

練習題：1)課本P97页，练习第1~5题。P97~P98页，习题10.1第1~6题。P105页，练习第1~8题。习题10.2第1~10题。2)下星期网课时间，4月25日会通知科代表。

高二甲化學 4 月 27 日至 5 月 1 日

科目名稱	主題	自學內容	學生作業
化學	化學平衡	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台：連結 <input type="checkbox"/> 其他（請註明）：_____	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台：連結_____ <input type="checkbox"/> 其他（請註明）：_____

複習綠色暨大書第三章第二節內容

學生需於 4 月 24 日或前完成

1. 同步練習冊以下題目,每題選擇題和填空題都要寫上解釋.計算題抄題目在家課簿完成.

P34 一選擇題 15-18

P36 三計算題 4,5(抄題目在家課簿完成.)

高二甲物理

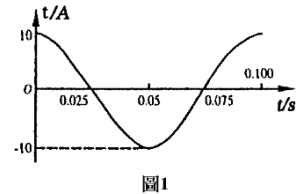
科目名稱	主題	自學內容	學生作業
物理	複習電磁學、交變電流	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input checked="" type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台： 連結 <input type="checkbox"/> 其他（請註明）： _____	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input checked="" type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平台： 連結 <input type="checkbox"/> 其他（請註明）： _____

請於 5 月 1 日 前完成以下作業，內容如下：

（注意：練習每一題都需作出答案解釋，作業需抄題到作業簿或 A4 紙上，完成後請自己妥善保存，並拍照上交作業。）

- 發電機電驅  $n=3000$  轉/min 在勻強磁場中勻速轉動，當線圈平面與磁感線方向平行時，產生的感應電動勢為 1000V，若從線圈平面與中性面重合時開始計時，則所產生的交流電動勢的瞬時值表達式為  $e=$ \_\_\_\_\_ V，當  $t=0.03s$  時，電動勢為\_\_\_\_\_ V。

- 如圖 1 示為某交流電隨時間的變化的圖像，由圖像可知，此電交流的周期為\_\_\_\_\_，頻率為\_\_\_\_\_。



- 我國規定的照明用交流電電壓的有效值為\_\_\_\_\_，最大值為\_\_\_\_\_。
- 我國規定的照明用交流電頻率為\_\_\_\_\_。某電路中通過的電流強度為  $i=I_m \sin \omega t$ ，則此電流的周為\_\_\_\_\_。

- 一個矩形線圈在一勻強磁場中繞中心軸勻速轉動，其交流電動勢表達式為  $e=311 \sin 314t$  V，試求：(1) 若矩形線圈是 100 匝，線圈平面面積為  $0.02m^2$ ，勻強磁場的磁感強度 B 是多少？(2) 當線圈平面從中性面開始轉過  $3\pi/4$  時，電動勢的瞬時值是多少？

- 在 0.5T 的勻強磁場中，長度為 20cm 的導線以 6m/s 的速率做切割磁感線運動，運動方向跟導線本身垂直，跟磁感線成  $30^\circ$  角，求感應電動勢。

- 有一個 800 匝的線圈，在 0.2s 內穿過它的磁通量從 0.2Wb 增加到 0.6Wb，求線圈中的感應電動勢。如果線圈的電阻是  $20\Omega$ ，把它跟一個電阻為  $880\Omega$  的電熱器串聯組成閉合電路時，通過電熱器的電流是多大？

- 勻強磁場中移動長度為 0.2m 的直導線，磁感應強度  $B=0.1T$ ，導線與磁場垂直，則移動導線的加速度為多少時導線中感應電動勢每秒鐘增加 0.1V？

科目名稱	主題	自學內容	學生作業
生物	人體激素調節	<input checked="" type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平臺：連結_____ <input type="checkbox"/> 其他（請註明）：_____	<input type="checkbox"/> 原學科教材及教學資源 <input type="checkbox"/> 自編材料 <input type="checkbox"/> 電子學習平臺：連結_____ <input type="checkbox"/> 其他（請註明）：_____ <input checked="" type="checkbox"/> 練習題

適用日期：27/4/2020至3/5/2020

要求：在5月3日或之前完成。

給你們的是PDF格式，你們可轉成word格式，那就可以直接用電腦輸入做作業。完成後再轉成PDF格式上交。

所有同學交作業時必須寫明年級班別和自己姓名，統一交給課代表。

課代表收齊作業電郵到此 [kotsopeng@gmail.com](mailto:kotsopeng@gmail.com)。以附件方式打包，每次附上5-10位同學的作業。

學習內容：

復習：人體激素調節

作業：

1)下列關於激素的闡述，不正確的選項是（ ）。（多選）

- A) 激素是有機分子      B) 激素直接參與細胞內多種生命活動  
 C) 激素是資訊分子      D) 激素只運輸給相應的靶器官、靶細胞

2) 下列各項中，都是因為人體內缺乏激素而引起的疾病是（ ）

- ①呆小症 ②糖尿病 ③白化病 ④血友病 ⑤巨人症 ⑥侏儒症 ⑦大脖子病 ⑧夜盲症  
 A) ①②④⑤⑦      B) ②③⑥⑦  
 C) ①②⑥      D) ①④⑥⑧

3) 胰島素分泌不足的人，尿液裏常含有（ ）

- A. 紅細胞    B. 葡萄糖    C. 蛋白質    D. 白細胞

4) 央視科技頻道報導：一對15歲的雙胞胎姐妹聰明伶俐，但身高只有1米左右，為了能長高，姐妹倆每天都注射一種針劑。你認為這種針劑的有效成分應該是（ ）

- A. 甲狀腺激素    B. 生長激素    C. 胰島素    D. 性激素

5) 下列關於體液調節和激素調節的敘述中，正確的是（ ）。

- A.體液調節就是激素調節                      B.體液調節是二氧化碳的作用  
 C.體液調節是激素調節的主要內容          D.在體液調節中，激素的調節作用最為重要

6) 下列關於體液調節的敘述中，不正確的是（ ）

- A. 體液調節比神經調節持續時間長              B. 體液調節比神經調節作用範圍廣  
 C. 參與體液調節的化學物質就是各種激素      D. 參與體液調節的化學物質需要體液傳送

7) 內分泌腺與外分泌腺的區別在於沒有\_\_\_\_\_，其分泌物通過\_\_\_\_\_排除腺體。



它們的分泌物叫\_\_\_\_\_。

8) 激素調節的三大特點：\_\_\_\_\_，\_\_\_\_\_，\_\_\_\_\_。

9) 胰腺具有雙重身份，既是\_\_\_\_\_腺，又是\_\_\_\_\_腺。

10) 胸腺具有雙重身份，既是\_\_\_\_\_器官，又是\_\_\_\_\_器官。

11) 從化學組成的角度，激素主要分三大類：

\_\_\_\_\_，\_\_\_\_\_，\_\_\_\_\_。

12) 血糖的三個來源：①食物中糖類\_\_\_\_\_。

②\_\_\_\_\_分解。

③脂肪等非糖物質\_\_\_\_\_。

血糖的三個去向：①氧化分解並產生\_\_\_\_\_。

②合成肝糖原、\_\_\_\_\_。

③轉化為\_\_\_\_\_等。

正常情況下血糖濃度為\_\_\_\_\_。

參與調節血糖的主要激素有\_\_\_\_\_和\_\_\_\_\_。

13) 寒冷時，甲狀腺激素分泌\_\_\_\_\_，機體新陳代謝\_\_\_\_\_，產熱量\_\_\_\_\_。

嬰幼兒時期缺\_\_\_\_\_，將會因甲狀腺激素合成受阻，導致中樞神經系統發育障礙，患\_\_\_\_\_。

14) 下丘腦分泌的抗利尿激素，能提高腎臟集合管對水的通透性，促進水的重吸收。請填寫下表。

	抗利尿激素分泌量	集合管對水的通透性	重吸收水量	排尿量
飲水少	少			
身體缺水	多			