

普通物理 General Physics

Must See: Thermodynamics

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考試注意事項 INSTRUCTIONS TO STUDENT

1. 除非考試開始否則不要翻開試卷。Do not open this booklet until you are told to do so.
2. 手提電話禁止的。Handphones are prohibited.
3. 你可以使用計算機。Calculators are allowed.
4. **談話被禁止。如果你作弊, 你會得到零分。** No talking. Cheating or attempting to cheat on an exam paper is a serious offense. Students caught cheating or attempting to cheat will receive ZERO on this exam paper.
5. 請用原子筆作答, 不能使用鉛筆。Use a pen. Do not use a pencil.
6. 答案請寫在試卷上。Write all answers in this examination booklet.
7. 本試卷包含有 **3** 個問題 **2** 頁。This paper consists of **2** pages with **3** questions.
8. 考試時間 **30** 分鐘。You have a total of **30** minutes to complete this paper.
9. 當你寫完論文, 舉起你的手, 等待考試的主管來收集你的論文。When you finish the paper, raise your hand and wait for the exam supervisor to collect your paper.
10. 現在填寫您的姓名(中國與英文), 學號。Fill in your Name and Student ID now. (I will fill in your mark.)

“To Him Who Is Above And Beyond All”

修改:中華民國 109 年 6 月 17 日 16 時 22 分 18 秒

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1. Prepare. (a) Draw Diagrams (b) Summarize data (c) Specify unknowns (d) State assumptions. 繪製圖表、匯總關鍵數據、設未知數、狀態假設。

2. Solve the problem showing all steps. 解決問題、顯示所有步驟。

3. State your final answer. 你的最終答案

3.1 Is there be ice in my cup of Bubble Tea? 我的珍珠奶茶有沒有冰塊?

- a. Yes 是
- b. No 沒有

3.2 Will there be liquid in my cup of Bubble Tea? 我的杯子裡有液體嗎?

- a. Yes 是
- b. No 沒有

3.3 If you answered YES to either of the above questions, state how much ice will be in the cup? 如果您對以上兩個問題的回答為“是”，請說明杯子中將結冰多少?

The End!