

UPLB CHEMICAL SOCIETY

Institute of Chemistry, College of Arts and Sciences
University of the Philippines Los Baños, College, Laguna 4031
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National Chemistry Quiz Contest

KAPNAYAN 2025

***Theme: "A Cure's Formula: Catalyzing Drug Discovery
Towards Health Equity Through Medicinal Chemistry"***

The National Chemistry Quiz Contest is a major competition event under the KAPNAYAN 2025, the triennial weeklong chemistry fair organized by the UPLB Chemical Society. The quiz contest covers the General Chemistry curriculum taught in regular and science/science-oriented classes. Questions related to this year's theme will also be asked.

ELIGIBILITY RULES

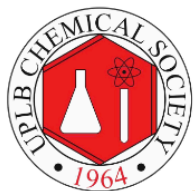
1. All bona fide Junior and Senior high school students from recognized learning institutions in the Philippines are qualified to participate in the competition.
2. There should only be one (1) team representing their respective institution registered for KAPNAYAN 2025 in the contest proper. The team will be accompanied by ONLY one (1) adviser/coach.
3. Each team should consist of three (3) members only.
4. The team may bring one (1) substitute member in case of unforeseen circumstances (e.g. medical emergency, accidents, etc.)
5. The delegates forming the said team cannot join the National Research Symposium but may join other minor contests (maximum of 1) in the KAPNAYAN 2025.
6. Only a maximum of 75 teams may participate in this competition. Securing the slot will be on a first-come, first-served basis.

ELIMINATION ROUND

1. The elimination round consists of a written exam and a moving exam.
2. The teams will be divided into two (2) groups, where two (2) will participate in the written test while the remaining one (1) member will partake in the moving exam.
3. The average of the total score garnered by all the participating members of the team shall be the team's overall score. In the case of an absence of a member, their score will automatically be set to zero.
4. Please take note that questions related to the theme will appear in both tests.
5. Resource materials about basic chemistry laboratory techniques, procedures, and setups, as well as a list of coverage topics (see link: bit.ly/DepEd-GenChem-Curriculum), will be provided upon registration.

THEORETICAL EXAM

1. The written exam will be an **80-item multiple-choice test with 2 sets** (Set A and Set B).
2. Pencils and scratch papers with the logo of the UPLB Chemical Society to be used by the participants shall be provided. Participants are expected to bring their own erasers and sharpeners.



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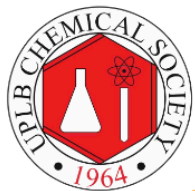


- The **first 70 questions** shall be considered for the **team's score** and the **remaining 10 questions** will only be considered for **breaking ties**.
- The examination will be good for **two (2) hours**.
- Any concerns regarding the exam items shall be raised to the designated proctor and quiz committee member **only** during the exam proper.
- Questions with valid concerns shall be **voided and will not count** toward the final score of the theoretical exam.
- The following will be given to the **top scorer** of the theoretical exam: a medal, a certificate, and a 1,000 peso cash prize.

PRACTICAL EXAM

- The practical exam shall be a **15-station moving examination** covering basic chemistry laboratory techniques, procedures, and setups.
- All participants must bring a **laboratory gown**. Those who fail to bring lab gowns shall incur deductions.
- The teams will be given an answer sheet, a pencil, and scratch papers containing the logo of the UPLB Chemical Society before the time starts at their first station. All participants may request for **only up to one (1) additional answer sheet**.
- Each station will take **90 seconds** to complete.
- For questions requiring explanations, the answers must be limited to **only 1-2 sentences**.
- Skill-based questions shall follow the following criteria:

Criteria		Grade
Laboratory Performance	Laboratory Equipment	
The laboratory techniques are done properly and skillfully. No spillage of chemicals	The laboratory equipment is returned without damage.	5
The laboratory techniques are done properly and skillfully. Some chemicals are spilled.	The laboratory equipment is returned with damage or not returned at all.	3
There are no proper laboratory techniques observed. Some chemicals are spilled.	The laboratory equipment is returned with damage or not returned at all.	1
Did not perform.	The set-up was not touched at all	0



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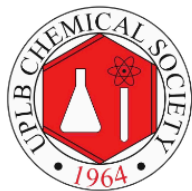
- The skill-based exam will be monitored by a lab instructor.
- Two (2) open stations** will have optional questions that will only be considered for breaking ties.
- After the last station, the proctor will provide everyone with a **5-minute free time** to finalize their answers. Participants are expected to stay at their final stations during this time.
- Questions and concerns regarding the practical exam shall only be raised during the given time. Participants with concerns must **raise their hands** and wait for the proctor to approach their station.
- Questions with valid concerns shall be **voided and will not count** toward the final score of the practical exam.
- Participants will be liable for **all damages** to lab equipment that they will cause.
- The following will be given to the **top scorer** of the practical exam: a medal, a certificate, and a 1,000 peso cash prize.

FINAL ROUND

- The top 15 teams, regardless of region, who qualified in the elimination round, will compete in the final phase. The qualified teams will be announced before the final phase.
- Ten (10) minutes** before the quiz proper, the members of the team must be present at the venue. Otherwise, the team will be **disqualified**. The freed slot will be given to the school next in rank in the elimination round.
- All scores garnered in the elimination phase will **not** be accounted for in the final phase.
- The final phase shall consist of **Discovery (Easy), Research (Average), and Development (Difficult) rounds**, with 15, 10, and 10 questions, respectively. The point system will be as follows:

	Easy	Average	Difficult
Correct	+10	+15	+20
Wrong	0	-2	-5
Blank	0	0	-5

- Each team will be given a set of whiteboards (with the UPLB Chemical Society logo at the back), whiteboard markers, and erasers at the start of the easy round.
- Each team will be given a scratch paper with the UPLB Chemical Society logo and the corresponding signature of a Quiz Committee Member on the back before the start of each round.
- All questions will be read twice. After the first reading, each team will be provided with a copy of the question. Right after the allotted time has elapsed, the team should have finalized their answers on their respective



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whiteboard. Otherwise, the team shall not acquire any points for that question.

8. The whiteboard **MUST** only contain the **encircled** answer. Only the encircled answer shall be considered as the team's final answer. Answers that are not encircled are considered blank.
9. Scores shall be on a cumulative basis. Thus, all the teams will compete up to the Development (Difficult) round.
10. Winners of the National Chemistry Quiz Contest shall be identified as the **Champion, First Runner-Up, and Second Runner-Up**. The winners shall receive the following prizes:
 - a. Champion: Champion's trophy, medals, certificates, and a 10,000 peso cash prize.
 - b. First Runner-Up: A trophy, medals, certificates, and a 7,000 peso cash prize.
 - c. Second Runner-Up: A trophy, medals, certificates, and a 3,500 peso cash prize.
11. In case of ties, a **sudden death system (Approval Round)** will be administered. Succeeding questions will be asked one at a time until a winner emerges.

ADDITIONAL NOTES

1. Members of the team shall wear their proper school uniform and identification cards provided at the registration booth during the contest.
2. The participants must bring their ballpen and scientific calculators. The Society will be checking all participant's calculators to clear their history and have their covers removed for the event. The Society will not be providing the contestants with calculators.
3. Misspelled answers will be considered wrong.
4. Avoid rounding off intermediate solutions leading to the final answer.
5. All answers involving calculations shall include the appropriate units as well as the specified number of significant figures or decimal places unless otherwise stated.
6. Any team caught cheating in any form will be automatically disqualified from the contest.
7. All questions or protests shall be directed to the board of judges and will be entertained only before the succeeding question is read.
8. The board of judges shall resolve any matters regarding the question/s. The board's decision is final and irrevocable.
9. The Quiz Committee reserves the right to change these rules with the appropriate notice to the concerned.