



CENTRAL LUZON STATE UNIVERSITY CHEMICAL SOCIETY

Chemistry Bonds Us Together

tinyurl.com/ChemSoYTChannel f fb.com/clsuchemsc @clsu_chemso clsuchemicalsociety@gmail.com

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Adviser

SIR GIL FELICISIMO S. CABRERA
Co- Adviser

December 13, 2022

To whom it may concern:

Greetings!

By: *[Signature]*

Time: *[Signature]*

By: *[Signature]*

The CLSU Chemical Society (CLSU Chemso) is an academic and civic-oriented college-based student organization, duly recognized by the Central Luzon State University through the Office of Student Affairs. It is composed of BS Chemistry students, dedicated to (1) maintain interest and endeavor in the field of Chemistry, and (2) to encourage and promote momentous ideals of educational services to the people and to the country to which students in general are pledged to serve.

In line with the aforementioned objectives, CLSU Chemso will be conducting the 16th Zonal Chemistry Congress which includes the Let's Get REEL: Nuclear Energy and the Philippine National Chemistry Olympiad (PNCO) 2023 Regional Elimination, which will be held on January 27 – February 03, 2023 and February 04, 2023, accordingly. This aims to elevate Science and Technology, chemistry in particular, among the secondary science students in Regions I, II, III, and the Cordillera Administrative Region (CAR), with also the purpose to promote camaraderie among the students.

And to achieve these objectives, we cordially request your assistance in promoting our event to various high schools within your purview. In addition, may we also request you for any information you have that could assist us in contacting them directly. Rest assured that, in compliance with the RA 10173, otherwise known as the Data Privacy Act of 2012, the contact information you will give will only be used for the indicated purpose.

The guidelines and mechanics for the 16th Zonal Chemistry Congress are attached here, as well as further information regarding the event. Should you have any queries, you can contact us at 09669430680 / 09615950430 or at clsuchemso.vpinternals@gmail.com.

We are hoping for your positive response regarding this matter and it will be very much appreciated. Thank you and God bless!

Sincerely,

[Signature]
Prima Rose D. Dela Cruz
President, CLSU Chemical Society

[Signature]
Joeffrey U. Patungan
Activity Coordinator

[Signature]
Roselyn F. Simon
Co-Activity Coordinator

Noted by:

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Dr. Redel L. Gutierrez
Adviser, CLSU Chemical Society

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Mr. Gil Felicisimo S. Cabrera
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Republic of the Philippines	
DEPARTMENT OF EDUCATION	
Schools Division Office of Bulacan	
ADVISORY	
No. OS3, S. 2022	
To: <input type="checkbox"/> PUBLIC <input type="checkbox"/> PRIVATE <input type="checkbox"/> PSDS	
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<input type="checkbox"/> Elementary School Principals/School Heads	
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For Information:	
ROWENA T. QUIAMBAO, CESE	
Assistant Schools Division Superintendent	
OIC Office of the School Division Superintendent	



LET'S GET REEL: NUCLEAR ENERGY RULES AND GUIDELINES

REGISTRATION

1. Participants must be **junior or senior high school students from Region 1, 2, 3, or CAR**. He or she must still be in high school during SY 2022-2023. Each school can have one (1) entry consisting of **3-5 participants**.
2. Interested parties may register for the Let's Get REEL: Nuclear Energy competition by filling up the registration form: <https://tinyurl.com/LetsGetREEL2023>. The organizers will email the school regarding the status of their registration at most a week after they answer the form.
3. There will be **no registration fee** for this event.
4. For successful registration, the school must accomplish the Registration Form **on or before January 13, 2023, at 8:00 pm**.

GENERAL MECHANICS

1. The participants can start sending their entries as soon as they register. The entry must be an **infomercial about nuclear energy** using **English** medium. Specifically, it should revolve around the idea of how you will explain the concept and importance of nuclear energy in the simplest yet creative way.
2. The infomercial must only be **2-3 minutes** and have an **aspect ratio of 16:9**. All the **participants** of the group and **logo of the school** must be seen in the infomercial.
3. Before submission, make sure that all entries are renamed by following the format: **REGION_SCHOOL_NAME OF STUDENT** (e.g. R3_CLSU_JUAN DELA CRUZ).
4. All entries must be submitted in **.mp4 format** no later than **January 27, 2023, at 11:59 pm**. A link will be provided for the submission of entries. No more entries will be accepted beyond the set deadline.
5. All entries must be **unique and original**. Entries that are plagiarized will be automatically disqualified.
6. Let's Get REEL: Nuclear Energy will be divided into **two (2) rounds**: Screening/pre-evaluation and Social Media Engagement.
7. During the screening round, all entries will be pre-evaluated by the panel using the given criteria. Ninety percent (90%) of the total scores of all entries will come from this round. The remaining ten percent (10%) will be based on social media engagement.
8. In the pre-evaluation, **thirty (30) entries** will be chosen based on the scores given by the panel. The chosen entries will then proceed to the next round.
9. Any entries that are inappropriate, offensive, and/or disrespectful will be automatically disqualified

SOCIAL MEDIA ENGAGEMENT

1. The **thirty (30) highest-scoring** entries will be uploaded to the official Facebook page of the Zonal Chemistry Congress.
2. To count the votes, one must first **like and follow** the official Facebook page of CLSU Chemical Society (www.facebook.com/clsuchemso) and Zonal Chemistry Congress (www.facebook.com/zonalchemistrycongress). Failure to do so will automatically make their votes invalid.
3. Only the **HEART** and **LIKE** reactions will be counted for the votes.
4. All entries will be posted on **January 31, 2023**. The voting will start the same day all entries are posted and will end on **February 3, 2023, at 5:00 pm**. All votes exceeding the set deadline will not be counted.



CRITERIA FOR JUDGING

1. The judges will evaluate all entries using the following criteria:

CRITERIA	PERCENTAGE
Uniqueness/Originality	30%
Creativity	25%
Accuracy	35%
Social Media Engagement	10%
TOTAL	100%

PRIZES & AWARDS

1. The **top three (3) scorers** will receive **Certificates of Commendation**, and cash prizes of P2,000 for 1st place, P1,500 for the 2nd place, and P1,000 for the 3rd place.



PNCO 2023 REGIONAL ELIMINATION CONTEST RULES AND GUIDELINES

REGISTRATION

1. Only **Junior and senior high school students** from **Regions 1, 2, 3, or CAR** are eligible to participate the regional elimination. He or she must be enrolled in high school during SY 2022-2023. During the contest, contestants must wear their school ID. Each school can only have a **maximum of three participants**.
2. Interested parties/schools may register for the regional contest by filling up the **registration form**: <https://tinyurl.com/PNCORegistration2023>. After they complete the form, the organizers will send an email to the school informing them of the status of their registration at most a week after they have accomplished the form.
3. **Each competitor will be charged of 150 pesos as registration fee**. Payments can be made by GCash or bank transfer. If GCash is being used, kindly ensure to include the information of the participant who paid the registration fee in the message section using the format: **REGION_SCHOOL_NAME** (e.g. R3_CLSU_JUAN DELA CRUZ). The screenshot or image of the transactions will be used as payment proof.

GCash

Account #: 0966 279 4432

Account Name: Niña Ross D. Caliliw

LANDBANK:

Account #: SA 1536 1199 53

Account Name: NINA ROSS D CALILIW

4. For successful registration, the school must send their accomplished Registration Form on or before **January 13, 2023, at 8:00 pm**.

PRIZE AND PNCO FINALS

1. The **top three (3)** scorers will receive Certificates of Commendation, and cash prizes of P3,000 for the champion, P2,000 for the 1st runner-up, and P1,000 for the 2nd runner-up.
2. Only the **top five (5)** scorers in Regions I, II, III, and CAR shall **represent** their region to the **2023 Philippine National Chemistry Olympiad**.

CONTEST PROPER

1. **No face-to-face interaction** between the organizers and participants will take place. The competition will be done online using **Zoom** as the chosen platform.
2. The **participant's guardian or parent** will serve as his or her **proctor** during the contest. However, the participant's proctor must **not be a science teacher**. Due to restrictions still being implemented, the participant must stay at home or within the school's vicinity and the organizers will entrust the assigned proctor to oversee the participant.
3. The participant is allowed to be with co-participants in a room during the contest proper as long as they observe safety protocols, their city or province is under Alert Level 2 or below, and with permission of their parents.
4. Proctor will **stay inside the room** with the participants. They are **not allowed to talk or go near** the participant during the competition unless the participant has clarifications regarding the questions. In this case, the proctor will contact the organizers. Otherwise, they will just serve as spectators while the contestants are answering.



QUIZ & QUESTIONNAIRE

1. The quiz will be in type-written format only. Laboratory skills competition will not be included during the regionals.
2. The participant/s will be seated in a room and will answer questions **with a total worth of 50-100 points**. The **questions will vary from multiple choice to problem-solving** to prepare the participants for the national competition.
3. The **Zoom link** that will be used will be sent to the email address of the proctors or schools at least **30 minutes** before the contest proper.
4. Participants will be given **2 hours** to answer the questions in the questionnaire provided. The exam will open at exactly 9:00 am and will close at exactly 11:00 am. Participants will be given **30 minutes** for sending their papers.
5. Separate sheets of **short bond papers** must be used by the participant to show their solutions and answers. The **final answers** should be **boxed**. The participant must show neat solutions and should have a few erasures in his or her papers.
6. Scanned copies or clear pictures of the participant's papers must be sent right after answering the questionnaire. Their papers should be attached in the **Google Form** that will be sent together with the link.
7. The use of a non-programmable calculator is allowed. Books, notes, and browsing the internet are not allowed during the contest proper.
8. Sharing of pen, pencil, eraser, etc. between participants is not allowed. All questions must be addressed to the proctor only.
9. Participants must not leave the room before they submit their answer sheets. This includes the use of the toilet. Answer sheets left unattended are considered done.
10. Answer sheets will be checked by College Professors/Instructors. Their decision will be final and irrevocable.
11. The scores and winners of the contest will be posted on the Zonal Chemistry Congress' official Facebook page and will be sent to schools' email addresses at most a week after the event.

DISQUALIFICATION

1. **Papers sent 30 minutes late beyond the allotted time of submission** may be **disqualified** if the reason for the delay is not coordinated.
2. Cellphones, laptops, and other similar devices, and access to the internet during the contest are only for the Zoom application, other than the one mentioned will be a ground for disqualification.
3. Contestants must join the zoom before the contest proper start. **Late contestants** will be disqualified.



QUIZ COVERAGE

Matter and its properties	Intermolecular Forces and Liquids and Solids
Measurements	Physical Properties of Solutions
Atoms, Molecules, and Ions	Thermochemistry
Stoichiometry	Chemical Kinetics
Gases	Chemical Thermodynamics
Electronic Structure of Atoms	Chemical Equilibrium
Electronic Structure and Periodicity	Acid – Base Equilibria and Salt Equilibria
Chemical Bonding – Ionic Bonds	Electrochemistry
Covalent Bonds	Organic Compounds

Questions involving more advanced topics may also be included. These advanced topics may cover:

- Solid-State and Coordination Chemistry (e.g., crystal structures, crystal field theory, and isomerism of inorganic complexes)
- Thermodynamics (e.g., gases, liquids, solids, temperature dependence of equilibrium constants, electromotive force, and Gibbs free energy)
- Electrochemistry and Electrochemical Analysis (e.g., amperometry, voltammetry, and conductometry, and potentiometry)
- Kinetics (e.g., catalysis, the Arrhenius equation, and integrated rate laws)
- Organic Chemistry (e.g., stereoisomerism, simple stereocontrolled organic transformations, [4+2]-cycloaddition, and [3,3]-sigmatropic rearrangement)
- Spectroscopy (e.g., correlation of simple organic structures with their $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, or IR data)
- Analytical Chemistry (e.g., acid-base titrations, complexometric titrations, redox titrations, spectrophotometry, and Beer-Lambert's Law)