

## Motivation

All of us might have solved crosswords in the newspaper or on the back of a book when we got bored. We bring you a crossword filled with fuzzy reactors and shiny catalysts, over which multiple clues react to give you the final product- a completed crossword puzzle. Chem-E-Cross, a completely online monthly crossword series, spans topics ranging from the fundamental laws of chemical engineering to advanced engineering concepts in a beginner-friendly format so that students from any year of study can participate on equal footing. This competition challenges you to connect seemingly unrelated ideas and a whole lot of information to deduce the perfect fit for the given clues.

## Gameplay

Each crossword in the series is an American-style crossword. At first glance, the cryptic clues may appear daunting, but the answer lies right in front of you, hidden in the clue! Every clue contains a description of the answer you are looking for in the grid. All you have to do is find the word that fits right in. Read a clue (across/down) and go to its corresponding position in the crossword grid. You will then get an idea of how many letters the answer contains. Next, you can start guessing the answer and filling it out in the grid. If your guessed word matches the solution, it will be displayed in green colour, and the clue gets a line over it.

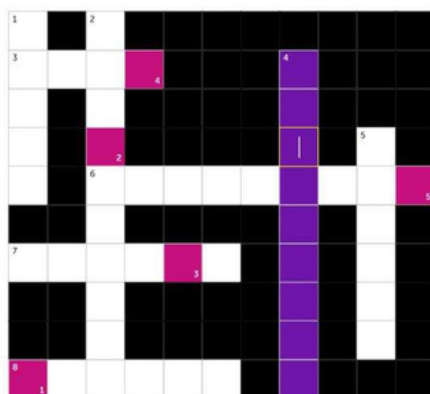
## Demo Crossword Illustration:

**Step 1:** Click on the link provided on the day of the competition through our social media handles (see general rules below), and register yourself by providing appropriate information.

**Step 2:** You will be directed to the Chem-E-Cross webpage after you click on submit. Here you will see the crossword. You will be asked to register once with your first name and email id (register with the same, email id used in Step1).

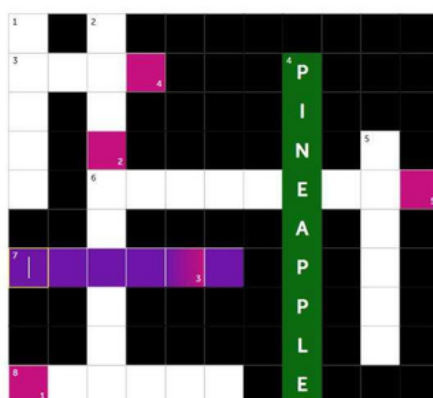
Following is an example of a crossword:

**Step 3:** Choose any clue that you wish to decipher, either across or down. The crossword then automatically points to the position of the corresponding word in the grid.



- |   |   |
|---|---|
| 3 Juicy and also edible in Christmas times, when boiled in red wine | 1 Not just a fruit, also a well known computer brand  |
| 6 Sweet and sour, also the name of a very small 'computer'          | 2 Quite a big fruit, just like the length of the word, filled with liquid according to the name |
| 7 They come in pairs, have a pit and have their Haribo equivalent   | 4 Word combination of a tree and a fruit, but very sweet and yellow                             |
| 8 Fruit famous for dropping its shell during Mario Kart             | 5 It is a color, but also a fruit   |

**Step 4:** Start guessing the word and enter it in the grid. If the answer matches your guess, it shows in green, and the clue gets a line over it and you can move to next word. If not, it remains the same as before, and you should try with another word.



- |   |   |
|---|---|
| 3 Juicy and also edible in Christmas times, when boiled in red wine | 1 Not just a fruit, also a well known computer brand  |
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## General Rules:

- Chem-E-Cross will be a crossword puzzle series.
- This is an individual participation competition.
- There is no registration fees.
- Undergraduate college students from any engineering background can participate in this competition.
- **The crossword portal link will be shared on the contest day through our social media handles, listed below.**

**Facebook:** <https://www.facebook.com/AZeotropy>

**Instagram:** [https://www.instagram.com/iitbombay\\_azeotropy/](https://www.instagram.com/iitbombay_azeotropy/)

- You can directly open the link, register, and start solving the crossword.
- The Chem-E-Cross series is scheduled for Sunday, 27 October 2024. The portal will remain active from 11:00 A.M to 11:00 P.M. IST.
- We will consider the timestamp of submission in case of a tie.
- **Your email id will be your unique ID throughout the series.**
- The answer to each of the given clues is unique.
- Any form of plagiarism using social media or other means will lead to immediate disqualification.
- The final decision-making authority lies with Team AZeotropy, IIT Bombay.

## Leaderboard Details:

1. Scores will be compounded with the forthcoming crosswords, and there will be an **overall leaderboard** apart from the **individual leaderboard**.
2. The leaderboard will be shared with all participants within two week after the conclusion of each edition.
3. The **overall leaderboard** will feature only those students who **participate in all puzzles** of the Chem-E-Cross series.

## Certificates and Prizes:

1. The **Top 10** winners of overall Chem-E-Cross will get feature on **our social media handle** and will be awarded with prizes worth **INR 15,000**.
2. **The Top 100** participants of overall Chem-E-Cross will get the **Certificate by AZeotropy, IIT Bombay**.
3. The **Top 10** winners of individual rounds will get feature on **our social media handle**.

For any queries related to the competition, participants can contact:

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