

## THE NAME THAT MOLECULE 3D CHALLENGE

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### The Challenge:

Your challenge is to create a digital 3D model of a molecule that you see or interact with every day. Submit your 3D model, an image of your entry, and a text explanation of your molecule, including its molecular composition, properties, and/or relevance in our world. Be sure to review the **CONTEST RULES** and **DESIGN GUIDELINES** for all challenge details, including the privacy rules: **No NAMES or FACES** in your submission! Get in your element ... and good luck!

### Who Can Enter

Students in Grades Kindergarten through Twelfth Grade attending a public, private, or home school in the United States, including schools in the 50 US States and DC, US territories and US soil abroad.

### Privacy Rules

Submissions will be reviewed for online privacy and student safety prior to being displayed in the gallery. Entries that moderators find to have personal information will be flagged for resubmission (or rejected if after the deadline).

**NO NAMES OF PEOPLE!** Don't write or show your name, username, or anyone else's name in your text, title, 3D model, or image. Referencing historical figures is OK in your description if needed to explain your design.

**NO FACES!** Do not include your face or anyone else's face or voice in your image.

### Challenge Rules Summary

Submissions that violate the rules will be ineligible to win and may be flagged for resubmission.

**Your Submission Must Include:**

- **3D MODEL** of your Molecule
  - Max 20 MB
  - File Format: STL
- **IMAGE** of your Molecule
  - Max 3MB
  - File Formats: GIF, JPG/JPEG, PNG, or BMP
- **TITLE** of your Molecule
  - Max 30 Characters
- **WRITTEN TEXT DESCRIPTION** of your Entry
  - Max 1500 Characters

● **ONE** eligible entry - either as an **INDIVIDUAL** or as part of a **TEAM** with up to 4 team members. You may edit your entry, but your last submitted entry before the deadline will be judged.

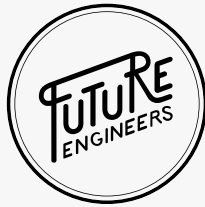
● No corporate names, brand names, logos, or otherwise trademarked items in your title, 3D model, or image. Referencing common trade names factually in your description is OK if needed to explain your design. (Like velcro, for example.)

● Keep it G-rated! No inappropriate content.

● All submissions must be 100% made by **YOU** and/or the students on your team.



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### Judging Criteria

The Judging Panel will score all eligible entries based on the following Judging Criteria (max score of 100 points):



**40 POINTS**

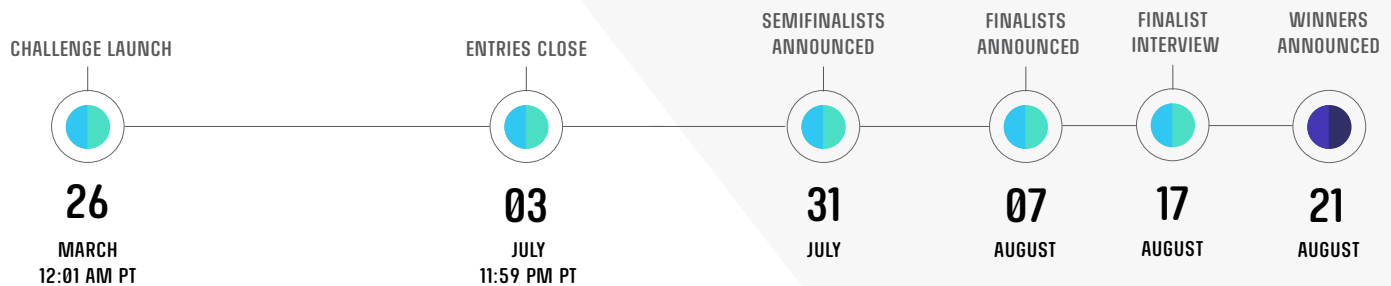
**Visual Representation:** How well the 3D model and image represent the molecule.

**60 POINTS**

**Communication:** Description of the molecule, its composition, properties, and/or relevance in our world.

### Program Dates

All entries must be received by: **JULY 3, 2019, 11:59 PM Pacific time**. For class challenge participants: Parent consent must be received by the deadline. Otherwise, it will be an educational entry and not eligible to win.



### Winners and Honorees



#### TEN SEMIFINALISTS

Judged on the uploaded entry, the 10 entries with the highest score based on the Judging Criteria described below will be selected as prospective semifinalists and vetted for eligibility, then announced.



#### FOUR FINALISTS

Of the 10 semifinalists, the Judging panel will again apply the Judging Criteria described below and the 4 entries with the highest score will be selected as finalists, announced and contacted for a final interview.



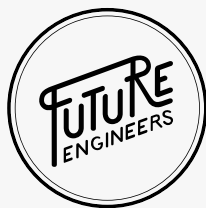
#### ONE WINNER

Of the 4 finalists, the Judging panel will again apply the Judging Criteria described below, with focus on the communication criteria for the required final interview, and one winner will be selected and announced.

Future Engineers reserves the right to (i) select fewer semifinalists, finalists and/or winners (if there is not enough eligible entries received) or (ii) to select more semifinalists, finalists, and/or winners or (iii) to award additional prizes. If a semifinalist, finalist and/or winner is disqualified for any reason, Future Engineers may award the prize to an alternate even if the disqualified person has already been announced.



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## THE NAME THAT MOLECULE 3D CHALLENGE RULES

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### Semifinalist, Finalist, and Grand Prizes



#### PROFESSIONAL 3D PRINT OF YOUR MOLECULE

One winning student or team will win a professional 3D print of their molecule in the material of their choice (up to a \$75 print per teammate)



#### CHEMISTRY NOVELTY GIFT

Future Engineers will get a chemistry novelty gift



#### FUTURE ENGINEERS TEE

Ten finalists will win a Future Engineers T-Shirt per team member

### Design Ownership and Public Licensing

In addition to the terms of the Official Rules, all entries will be displayed in a public gallery and will be licensed publicly as:

[Attribution - NonCommercial - ShareAlike](#)

4.0 International (CC BY-NC-SA 4.0)

### Potential Semifinalist Notification

The potential semifinalists' parents or legal guardians will be notified via email and they will be required to sign and return the following documents by a specified time:

Information and Publicity Release, and Affidavit of Eligibility, and Media Release

If any email is returned as undeliverable, or if a potential semifinalist cannot be reached after a maximum of two (2) attempts by email or phone or fails to properly sign and return all releases within the time period requested, or if a potential semifinalist is found to be ineligible, the potential semifinalist will be disqualified. The next highest scoring entry will be notified, time permitting.

### Tie Break

In the event of a tie at any stage of judging, 'Communication' will be used as the tie-breaker.

**GOOD LUCK!**



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