

Advent Calendar Poster Challenge 2024 Years 7/8

For Teachers:

We are hoping to create an advent calendar using posters created by small groups (4) of your chemistry Year 7 / 8 students.

What is the topic for the poster?

Students should choose and agree a symbol that represents any December celebration to them (we've provided some examples in their instructions), research and explain the chemistry involved in it.

What is the purpose of the poster?

The poster should explain the chemistry of the symbol in a clear, interesting and engaging way to a general public audience, so the science needs to be easy to understand.

Poster Submission

You are invited to submit your school's top two entries as good quality pdf files by **8th November 2024 latest**. Let us know in advance that you are taking part so we can send you a link to a folder for submission. The title of each file should include the preferred advent calendar day (1-24) that your students would like it to appear and the poster's title, i.e. 24 - Chemistry of Christmas Crackers.

The Final Advent Calendar

The best 24 posters will be uploaded to our Advent Calendar on our social media channels daily (we reserve the right to upload any entry on any calendar date if necessary).

In the event that we receive more than one poster for any one day in the Advent Calendar, Andy Brunning, who runs Compound Interest (<https://www.compoundchem.com>), will select his favourite submission for that day. Andy's advent calendars were the inspiration for this challenge. We've included two examples of his work in the student guide so that your students can see what we are looking for.

For Students

Choose and agree a symbol that represents any December celebration to you, research and explain any chemistry involved in it.

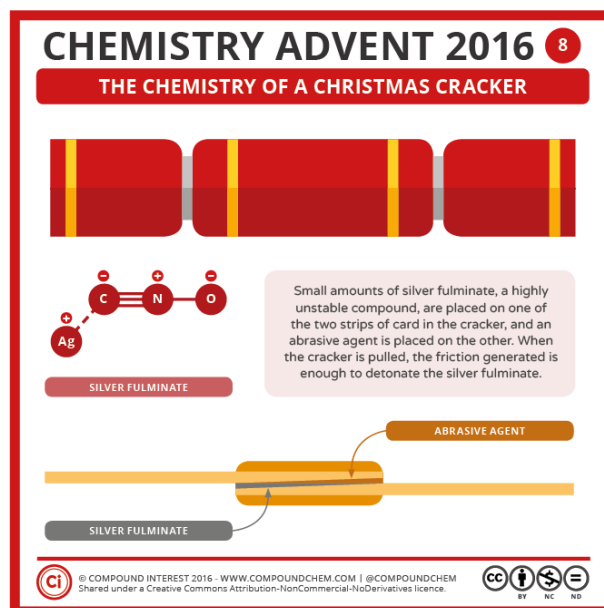
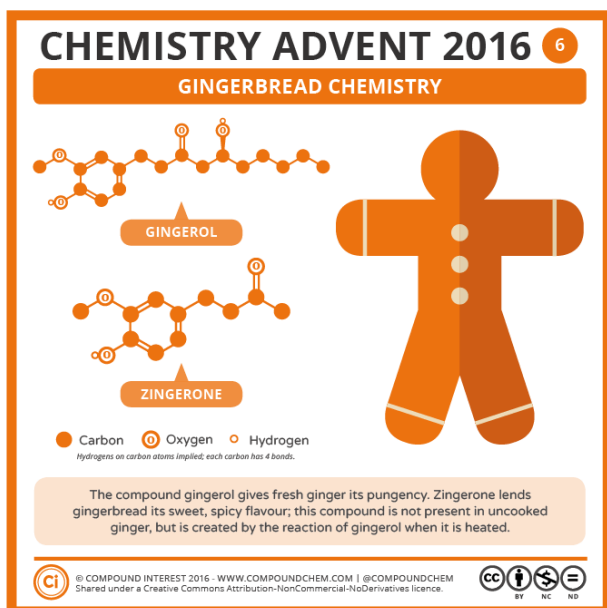
Designing your Poster

Your poster should explain the chemistry of your chosen symbol in a clear, interesting and engaging way to a general public audience, so the science needs to be easy to understand.

The final poster needs to be A3 portrait in size. It can be hand-drawn/written or created in software or a combination of the two. Make it colourful and eye-catching. As a guide, it should include:

- ✓ An informative title
- ✓ Just enough large text to convey the main points, but not big long paragraphs.
- ✓ Useful good quality drawings / pictures that support your story visually.
- ✓ The chemistry behind the symbol that you feel represents your favourite December celebration.
- ✓ Any references for information sources you have used (in small print at the bottom).
- ✓ Your school's name and logo.

Andy Brunning, our guest judge, does this really well – here's two examples of his work as an idea of what we're looking for:



Submitting your poster

Give your final poster to your chemistry teacher for judging – they will decide which two to put forward as the school entries.