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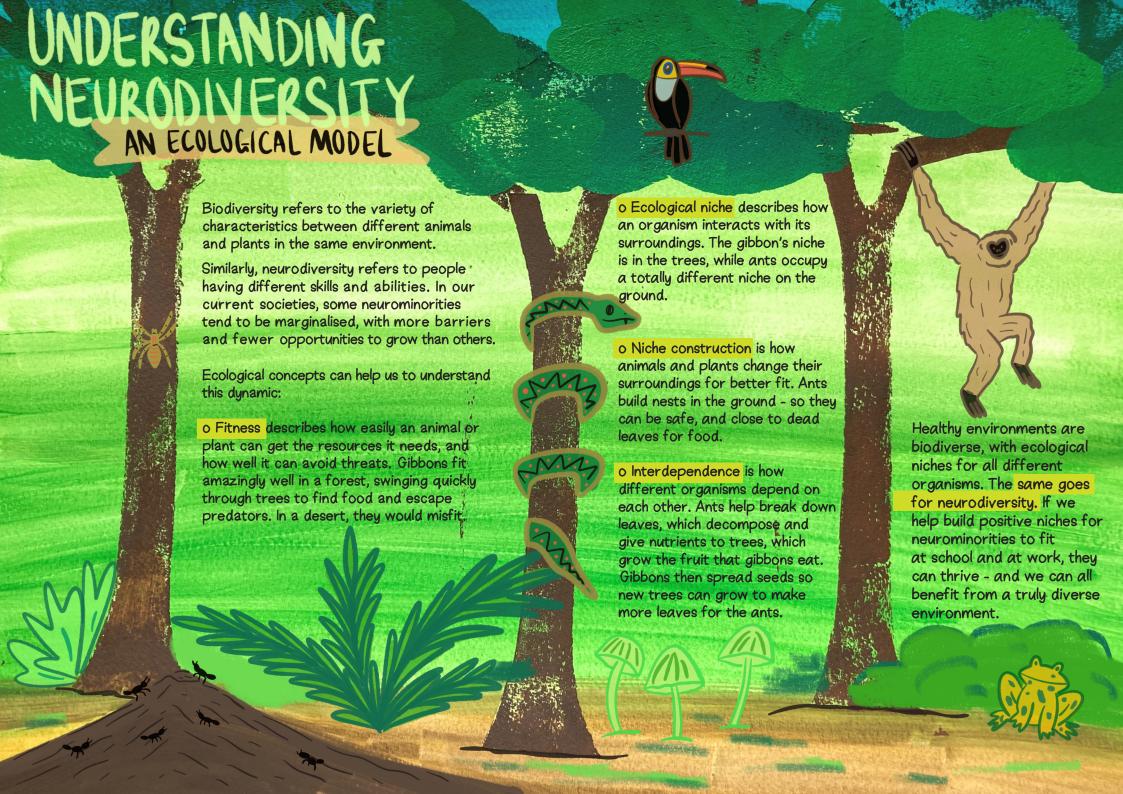
#### Real-life stories of neurodiversity in the world of chemistry

# Elements for Inclusion

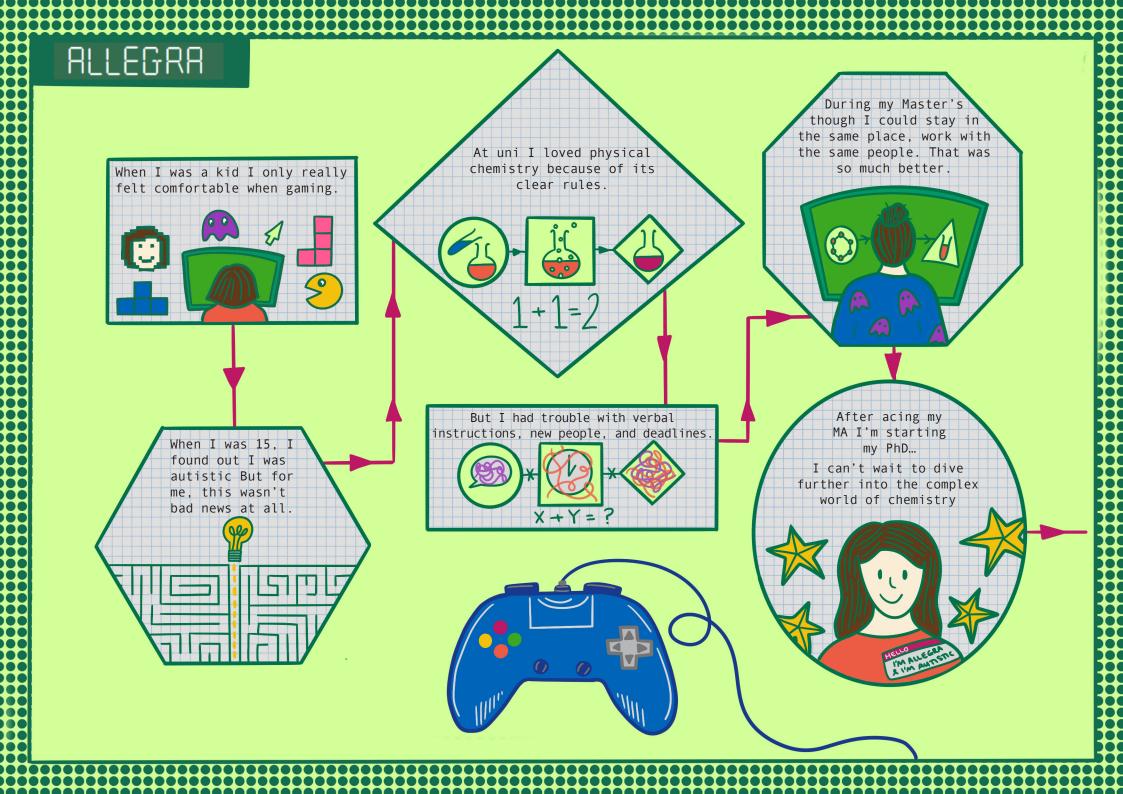
It's possible to be both neurodivergent and become a successful chemist! These pages contain several real-life stories of people who have done just that. Most research on neurodivergent people views differences as deficits, aiming to support them to function in a typical world. But the stories in this book came out of a study that turns that reasoning on its head. They provide examples of how barriers have been overcome, show role models for aspiring neurodivergent chemists, and demonstrate how various contexts can and should be adapted so neurodivergent chemists will not just survive, but thrive.

The term "neurodiversity" refers to natural differences in how people learn or process information. A neurodivergent person processes information atypically and may experience discrimination or disability as a result. Several conditions are associated with neurodiversity, including autism, ADHD, and dyslexia. However, there's no exhaustive list and many neurodivergent people are undiagnosed because they don't fit criteria perfectly or cannot get assessed. Thankfully, more and more, such conditions are no longer seen as illnesses to be cured. That's because neurodivergent traits can be strengths as well as hindrances – as the stories in this book show.

This book was created by a neurodivergent team. We hope it will be easily understandable by all kinds of brains – and enjoyable too.







Casey 0

It was when I saw videos about ADHD thatI realised I had it.

When I was growing up I realised I thought differently to those around me.

School was tough. Couldn't stay still or concentrate.

> But some classes were different.

Then I realised about my ADAD. Istarted medication, but more importantly, I learned how to work the way I work.

At uni, I switched to chemistry to do more lab work.



Casey, let me explain it to you another Way!



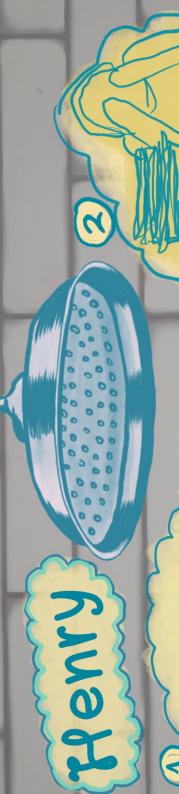
I can't go back

and do it all

again, but I can

make the most

of it now.



It was only at the end of my career that I realised I had dyslexia. Suddenly a lot made sense.

Back in my postgraduate with the Royal Society of Chemistry I found reading and writing reports really challenging.

I found optical chemistry easier ~ it deals with the structures of things. I could visualise them in my head.

Strength when developing new products. My best ideas came to me in the shower.

These were my 'shower my 'shower moments'.

But as my career developed I had to write and read lots of reports. I couldn't stand it and had a breakdown.

I realised I had to work in practical, process—driven jobs. I got a job at Rolls Royce in their test lab.



understood why I've always seemed different. support. Strategies like mind-mapping and using text-to-speech helped a lot. I finally My company paid for me to get dyslexia

## Making chemistry more neurodiverse Recommendations!

#### School

- ✓ Different learning pathways
- Training for teachers
- ✓ Predictable lab environment
- Written, clear instructions

- More flexible working approaches
- Allowing for more specialisation based on skills
- Rethinking productivity measures

### Policy

- More flexible working approaches
- ✓ Supporting alternative funding streams
- Transparency of available resources
- /Openness to social research exploring neurodiversity

A predictable lab

environment. No

about things like

expectations

eye contact.

#### Research Institutions

Different learning pathways

Predictable lab environment

Written, clear instructions

Peer support

- / More inclusive conference and event practices
- Support for neurodivergent researchers to apply for funding and conferences, etc.
- Promoting social research that explores neurodiversity



Not having classroom expectations, like having to sit still. More flexible working.

Finding an alternative route. Good career auidance. Assistive technologies.



- Flexible working approaches
- Easily accessible systematic support for neurodivergent people
- Raising awareness at all levels about neurodiversity
- Alternate ways of measuring productivity
- Celebrating successful inclusion and diversity work
- Making sure people's self~ diagnoses are recognised
- Culture change talking more about neurodivergence and disability



Finding the right route for me. Good higher education quidance.

