footnotes because they break the flow of thoughts and send your eyes darting back and forth while your hands are turning pages or clicking on links. Try to avoid jargon, buzzwords or overly technical language. And don’t use the same word repeatedly — it’s boring.

Don’t over-elaborate. Only use an adjective if it’s relevant. Your paper is not a dialogue with the readers’ potential questions, so don’t go overboard anticipating them. Don’t say the same thing in three different ways in any single section. Don’t say both ‘elucidate’ and ‘elaborate’. Just choose one, or you risk that your readers will give up.

And don’t worry too much about readers who want to find a way to argue about every tangential point and list all possible qualifications for every statement. Just enjoy writing.

With regard to grammar, spoken language and common sense are generally better guides for a first draft than rule books. It’s more important to be understood than it is to form a grammatically perfect sentence.

Commas denote a pause in speaking. The phrase “In contrast” at the start of a sentence needs a comma to emphasize that the sentence is distinguished from the previous one, not to distinguish the first two words of the sentence from the rest of the sentence. Speak the sentence aloud to find pauses.

Dashes should emphasize the clauses you consider most important — without using bold or italics — and not only for defining terms. (Parentheses can present clauses more quietly and gently than commas.) Don’t lean on semicolons as a crutch to join loosely linked terms. (Parentheses can present clauses more quietly and gently than commas.) Don’t lean on semicolons as a crutch to join loosely linked ideas. This only encourages bad writing. You can occasionally use contractions such as isn’t, don’t, it’s and shouldn’t. Don’t be overly formal. And don’t use exclamation marks to call attention to the significance of a point. You could say ‘surprisingly’ or ‘intriguingly’ instead, but don’t overdo it. Use these words only once or twice per paper.

**TONE IS IMPORTANT**

Inject questions and less-formal language to break up tone and maintain a friendly feeling. Colloquial expressions can be good for this, but they shouldn’t be too narrowly tied to a region. Similarly, use a personal tone because it can help to engage a reader. Impersonal, passive text doesn’t fool anyone into thinking you’re being objective: “Earth is the centre of this Solar System” isn’t any more objective or factual than “We are at the centre of our Solar System.”

Choose concrete language and examples. If you must talk about arbitrary colours of an abstract sphere, it’s more gripping to speak of this sphere as a red balloon or a blue billiard ball.

Avoid placing equations in the middle of sentences. Mathematics is not the same as English, and we shouldn’t pretend it is. To separate equations from text, you can use line breaks, white space, supplementary sections, intuitive notation and clear explanations of how to translate from assumptions to equations and back to results.

When you think you’re done, read your work aloud to yourself or a friend. Find a good editor you can trust and who will spend real time and thought on your work. Try to make life as easy as possible for your editing friends. Number pages and double space.

After all this, send your work to the journal editors. Try not to think about the paper until the reviewers and editors come back with their own perspectives. When this happens, it’s often useful to heed Rudyard Kipling’s advice: “Trust yourself when all men doubt you, but make allowance for their doubting too.” Change text where useful, and where not, politely explain why you’re keeping your original formulation.

And don’t rant to editors about the Oxford comma, the correct usage of ‘significantly’ or the choice of ‘that’ versus ‘which’. Journals set their own rules for style and sections. You won’t get exceptions.

Finally, try to write the best version of your paper: the one that you like. You can’t please an anonymous reader, but you should be able to please yourself. Your paper — you hope — is for posterity. Remember how you first read the papers that inspired you while you enjoy the process of writing your own.

When you make your writing more lively and easier to understand, people will want to invest their time in reading your work. And whether we are junior scientists or world-famous novelists, that’s what we all want, isn’t it?

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as climate change and disaster resilience, with often under-served audiences (for example, religious communities, older people and those living with mental-health conditions). The experiences and needs expressed in this poetry can then be used to shape policy in these areas.

Many scientists might find this conversation-through-poetry approach either too resource intensive or outside their comfort zone — or both. But poetry can benefit researchers in another way. There are times when scientists work on a problem that seems to be unsolvable. We stop thinking about it and focus on something else, only to return to the issue at a later date. Making time for this ‘incubation period’ has been shown to foster creativity in problem solving, and a study published last year highlights the idea that poetry might effectively target this incubation. In other words, if you find yourself stuck on a particular problem, leave your experiment, close your laptop, stop taking your field measurements — and try writing a poem about it instead. Doing so will help you to consider the problem from a new angle, and will likely lead you to fresh insights.

**HOW TO GET STARTED**

**Read some poetry.** Just as you’d start any successful research project with an in-depth literature review to assess the field, begin by reading a wide variety of verse. This will help you to find your own poetic voice. There are many excellent examples of this art, both online and in print. Check out the magazines *Magma*, *The Rialto*, *Rattle* and *The Poetry Review*.

**POETRY**

**Science versus the arts**

“There’s machinery in the butterfly; There’s a mainspring to the bee; There’s hydraulics to a daisy, And contraptions to a tree.

“If we could see the birdie That makes the chirping sound With x-ray, scientific eyes, We could see the wheels go round.”

And I hope all men Who think like this Will soon lie Underground.

‘The Horrid Voice of Science’

Vachel Lindsay (1919)

**Consider using a specific format.** Introducing structure to your poetry can help to reduce the anxiety of where to begin. The website Shadow Poetry offers a wide selection of poetic forms, along with examples that might provide you with scaffolding to build your poems on.

**Edit, edit, edit.** It is very unlikely that your first draft will represent the best form of your work. After you have written your poem, give it time to breathe, and then go back and remove any word that does not earn its keep.

**Think about a title.** Naming your poem can be a difficult task. The best advice I can offer comes from the excellent 2017 book *How to be a Poet* by Jo Bell and Jane Commane, which recommends that you name the work after it has taken shape. Then consider how the title interacts with the final line. Use these as a pair of bookends to frame the poem as a whole work.

**Share your poetry.** Even if this is only with a close friend or colleague, sharing your poem is a helpful way to get feedback, showcase your ideas and express your creativity.

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