



Discover puzzles for your students

Try Chemistry allsorts from the Secondary and Further Education Group (SaFE): bit.ly/3YDKAnY

NOVEMBER 2023 QUICK CROSSWORD

Across

- 1, 18 Across** US nuclear scientist and co-discoverer of 12 elements (6, 7)
- 5** US chemist who shared the 2022 Nobel prize in chemistry for her development of click chemistry (8)
- 9** Cold soup made from raw vegetables (8)
- 10** Outer covering of a tooth (6)
- 12** _____ - infrared light is electromagnetic radiation just past what we can see (4)
- 13** Anodes and cathodes (10)
- 14** Nationality of co-recipient of the 1957 Nobel prize in physics for work on parity non-conservation of weak interaction (7)
- 15** Potentially deadly Japanese fish dish due to the presence of its tetrodotoxin (4)

- 17** Hydrated amorphous form of silica used in jewellery and sometimes iridescent (4)
- 18** See **1 Across** (7)
- 20** English recipient of the 1932 Nobel prize in literature (10)
- 22** Charged particles (4)
- 23** Italian philosopher, mathematician and theologian, as well as the first woman to write a mathematics handbook and be appointed as a maths professor at a university (6)
- 24** German radiochemist and Nobel laureate who once had element 105 named after him (4, 4)
- 26** Instruments for measuring current (8)
- 27** German chemist famous for his eponymous equation on electrochemistry (6)

Down

- 2** Kenyan-British palaeoanthropologist who called three of his researchers (Jane Goodall, Dian Fossey and Biruté Galdikas) 'The trimates' (6)
- 3** Based on observation or experience (9)
- 4** Type of chromatography using coated plates (abbrev) (3)
- 5** Clean-ups, say of contaminated land using bacteria or other biological methods (15)
- 6** Alternative name for an X-ray, named after its discoverer (8, 3)
- 7** New Zealand university where neurophysiologist and 1963 Nobel prize winner John Eccles was a professor (5)
- 8** Poorly (3)
- 11** What *E* stands for in $E = mc^2$ (6)
- 13** Zeolite mineral ($BaAl_2Si_3O_{10} \cdot 4H_2O$) named after a Scottish mineral collector (11)
- 15** English explorer and privateer who has a bay in Canada named after him, as the first European to visit (9)
- 16** Leapt up (6)
- 19** Non-metric measurements of length (6)
- 21** Strainer often used in laboratories (5)
- 23** ___ Lovelace, known for her work on Charles Babbage's Analytical engine, often regarded as the first computer programmer (3)
- 25** Stannary law covered the mining of which element in Devon and Cornwall? (3)