



## JULY 2022 QUICK CROSSWORD

### Across

- 1 Electron capture \_\_\_\_\_ (ECD) – an analytical device invented by James Lovelock, capable of measuring very small concentrations of organochlorine compounds (8)
- 5 One of the four elements named after the Swedish village of Ytterby (6)
- 10 Norwegian mathematician who had a prize in mathematics named after him, originally proposed in 1899 to complement the Nobel prize (5, 4)
- 11 Desiccator (5)
- 12 Type of radioactive decay and  $\text{He}^{2+}$  particle (5)

- 13 State of India and birthplace of the physicist and 1930 Nobel prize winner C V Raman (5, 4)
- 14 Superheavy element named after a US State (10)
- 17 Danish physicist awarded the 1922 Nobel prize in physics who has an element named after him (4)
- 19 Metallic element (4)
- 20 Relentless (10)
- 22 German physicist and pioneer of spectroscopy (9)
- 24 Growth of tissue on the body (5)
- 26 Year (5)
- 27 Pharmacist (9)

28 Refine (6)

29 Volume (8)

### Down

- 1 Canadian physicist and co-recipient of the 2018 Nobel prize in physics for her work on chirped pulse amplification (5, 10)
- 2 Fool (5)
- 3 Waterfalls (8)
- 4 Trajectory (5)
- 6 Conundrum (6)
- 7  $\text{C}_3\text{N}_2\text{H}_4$  (9)
- 8 Discoverer of francium (10, 5)
- 9 Currently 118 of these in the periodic table (8)

15 Synthetic rubbers (9)

16 Hormones (8)

18 Termites (8)

21 Equilateral quadrilaterals (6)

23 Largest carnivorous mammal on the island of Madagascar (5)

25 Buttermilk (5)