



Discover puzzles for your students

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

SEPTEMBER 2023 QUICK CROSSWORD

Across

- 1 Element in the last group of the periodic table (5, 3)
 5 Dicarboxylic acid which is a precursor for the production of nylon (6)
 10 Crude (9)
 11 Loud (5)
 12 Unit of weight (5)
 13 Scottish chemist and inventor known for his steam engine (5, 4)
 14 Objections (10)
 17 Elliptical (4)
 19 Engrave with hydrofluoric acid (4)
 20 Italian physicist and inventor of the mercury barometer (10)
 22 Units of digital data, equivalent to one trillion bytes (9)
 24 Immature stage of an insect (5)
 26 Detection of objects by sound (5)
 27 Largest peak in Japan (5, 4)
 28 First American space station (6)
 29 See 4 Down (8)

Down

- 1 People who study the brain (15)
 2 Element with the electron configuration $[\text{He}]2s22p1$ (5)
 3 Weaken (8)
 4, 29 Across First female president of the American Chemical Society (4, 1, 8)
 6 Nationality of the inventor of the pH scale (6)
 7 Denoting early history (9)
 8 Water of _____, eg the water in the formula $\text{CuSO}_4 \cdot \text{H}_2\text{O}$ (15)
 9 Rain gauge (8)
 15 Singer songwriter who received a Rhodium Record in 1979 for being the world's most successful songwriter (9)
 16 Soviet physicist co-awarded the 1958 Nobel prize in physics for the discovery of Cherenkov radiation (4, 4)
 18 Constellation in the southern sky, named by a French astronomer, one of whose students was the chemist Antoine Lavoisier (8)
 21 European peninsula (6)
 23 A jet of steam issuing from a fissure in volcanic regions (5)
 25 Defeats (5)