## October 2009 Chemistry Wordoku

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|---|---|---|---|---|---|---|---|---|
| A | U | | | | | | P | I |
| N | | | C | | I | | T | S |
| | | | | | | | | |
| | | | S | | A | | N | |
| U | T | | P | | E | | A | C |
| | A | | I | | C | | | |
| | | | | | | | | |
| P | E | | A | | T | | | N |
| I | C | | | | | | U | A |

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|---|
| A |
| C |
| E |
| I |
| N |
| P |
| S |
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| U |

Solve this 'wordoku' in the same way as a sudoku with letters instead of numbers (the nine letters once in each row, column and nine-square cell). Once solved, one of the overall diagonals contains the jumbled name of a food component first synthesised in 1930 and mentioned in one of this month's features.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | E | O | C | S | R | B | N | T |
| T | N | R | O | B | E | S | A | C |
| S | B | C | A | T | N | O | R | E |
| C | A | S | N | R | T | E | O | B |
| N | R | B | E | O | C | T | S | A |
| O | T | E | S | A | B | N | C | R |
| E | O | N | T | C | A | R | B | S |
| B | S | A | R | E | O | C | T | N |
| R | C | T | B | N | S | A | E | O |

### Solution to September 2009 Chemistry Wordoku

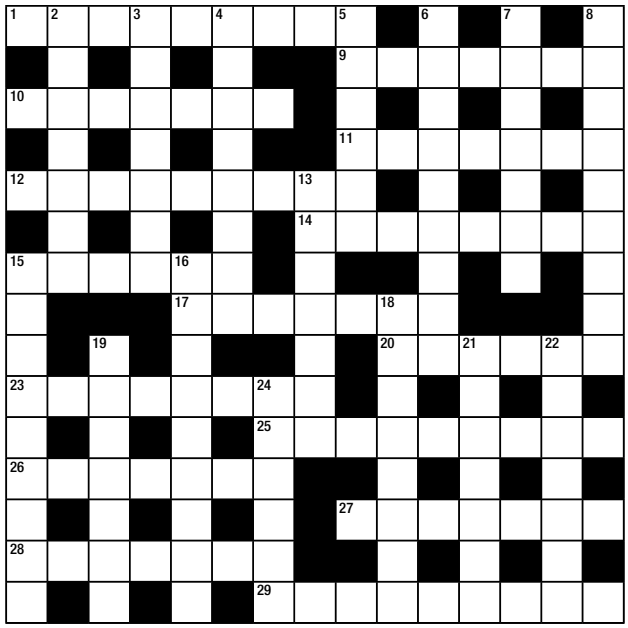
The chemist's name hidden in the diagonal is the 19th C French chemist, pharmacist and botanist (Henri) Braconnot, attributed with the isolation of gallic and ellagic acids, pyrogallol and chitin.
The winner of the September 2009 *Chemistry World* Wordoku competition is P Cox, Bristol, UK

**The winner of this month's chemistry Wordoku will be published next month. For a chance to win a £25 book voucher, please send your completed Wordoku to the address on p2 or fax to +44 (0)1223 426017 by 15 October 2009.**

## Who, where or when?

Answer: Robert McCance in the gents toilets at the department of experimental medicine at the University of Cambridge in 1940. He is 'washing up' faeces samples from subjects in the study comparing mineral metabolism of healthy adults on white and brown bread diets.

## October 2009 Crossword



**Across**

**1** Lacking 20 as hard ouzo cocktail loses orange top (9)
**9** Black or red fruit, sounds electrifying! (7)
**10** Chasm to digest food in (7)
**11** Drill hole in the head with little gimlet for Far Eastern delicacy (7)
**12** Make savings with nice moose? (9)
**14** I eat a rum trifle? Gout results! (8)
**15** Spoil seabed (6)
**17** Take one trip for a polypeptide (7)
**20** No danger when youth leader crashes feast (6)
**23** Nutty confection from Panama Ritz? No ta! (8)
**25** Turn good sprat into alternative seafood (9)
**26** Syrup harvested from lilac tree with lithium deficiency (7)
**27** Mix a little iron with algae for salad (7)
**28** Cupid takes the French on for fish (7)
**29** Mashed-up meal with soup to follow for salt of wisdom (9)

**Down**

**2** Claret I swigged for *Chemistry World* feature? (7)
**3** Nitrogenous substance in gammon I ate (7)
**4** Crème Deb created last month (8)
**5** Lose love from mod's bike for duck (6)
**6** Hear gent in another country concealed (9)
**7** Boiled ham at a.m. for Gandhi ? (7)
**8** Men-only do with venison on the menu? (4,5)
**13** Dried fruit for us lost in Natal (7)
**15** Percussion tool for poultry? (9)
**16** Playfully pinch rest of bottom, or indeed other parts of the anatomy (such as 10) (9)
**18** Flustered, mother is at the same temperature (8)
**19** Courses fit for a king (and a rich one at that) (7)
**21, 22** Digestion of fourth hotdog for brain fodder? (4, 3, 7)
**22** See **21**
**24** Points a gendarme could start with (5)

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | O | N | I | C | A | L | ■ | A | L | E | M | B | I | C |
| H | ■ | E | ■ | A | ■ | Y | ■ | D | ■ | S | ■ | E | ■ | O |
| A | G | R | O | M | A | N | I | A | ■ | C | O | R | A | L |
| P | ■ | D | ■ | O | ■ | X | ■ | M | ■ | U | ■ | Y | ■ | O |
| A | S | S | U | M | E | ■ | M | A | N | D | O | L | I | N |
| T | ■ | ■ | ■ | I | ■ | G | ■ | N | ■ | O | ■ | L | ■ | I |
| I | N | F | I | L | T | R | A | T | E | ■ | Z | I | N | C |
| ■ | ■ | ■ | L | E | ■ | A | ■ | A | ■ | F | ■ | U | ■ | ■ |
| R | O | A | D | ■ | E | N | A | N | T | I | O | M | E | R |
| U | ■ | M | ■ | S | ■ | D | ■ | E | ■ | X | ■ | ■ | ■ | O |
| B | U | S | S | T | O | P | S | ■ | N | A | T | R | O | N |
| E | ■ | T | ■ | R | ■ | I | ■ | B | ■ | T | ■ | H | ■ | T |
| L | I | E | G | E | ■ | A | T | O | M | I | S | I | N | G |
| L | ■ | E | ■ | E | ■ | N | ■ | M | ■ | O | ■ | N | ■ | E |
| A | D | D | U | P | T | O | ■ | B | E | N | Z | O | I | N |

### Solution to September 2009 crossword

The winner of the September 2009 *Chemistry World* crossword competition is A J Christopher, Exmouth, UK

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