

ELEMENTAL CROSSWORD

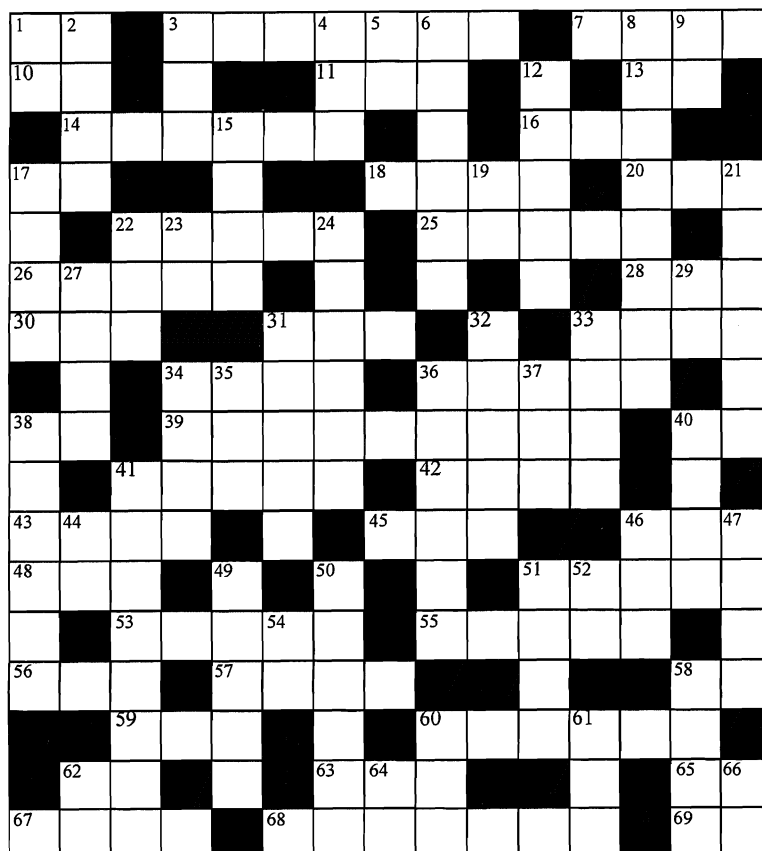
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With a little bit of imagination, the Periodic Table of Elements can be seen as a rather strange and inelegant crossword puzzle, which is asymmetrical in form and contains such bizarre words like "RbSrYZrNbMoTcRuRhPd" and "HLiNaKCuRbAgCsAuFr". After major readjustments, here is a crossword puzzle that solves some of those problems. Each square of the solution contains an element, which, when combined, completes a real word. Some elements are used more often than others, of course, and some are not used at all. One of the interesting things about this crossword is that it is not always clear from the boxes how many letters are in any given word, since most elements contain two letters. The same word, for example, can be constructed in more than one way, or even appear in different lengths (for example, "catches" could be "Ca-Tc-He-S", "Ca-Tc-H-Es", "C-At-C-He-S", or "C-At-C-H-Es"). In case you don't have a Periodic Table of Elements handy, here are all 103 named elements, in order, over half of which appear in the puzzle:

H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, As, Se, Br, Kr, Rb, Sr, Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag, Cd, In, Sn, Sb, Te, I, Xe, Cs, Ba, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, Pt, Au, Hg, Tl, Pb, Bi, Po, At, Rn, Fr, Ra, Ac, Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr.

ACROSS

1. A possibility
3. Places selling 48-ACROSS
7. Urges on
10. Openings
11. Gain control of
13. Headwear
14. Surreptitious
16. A type of shortwave antenna
17. Too bad
18. Ethnic group of SW Nigeria
20. Explosive sound
22. Like Steve Austin
25. Many-colored
26. Glow with heat
28. Get in touch with
30. Balls
31. Reddish brown
33. Hides in safe place
34. Considerate
36. Do 53-ACROSS again
38. Near or beside
39. Without reservations
40. Tear apart
41. Ideas
42. Swear
43. Burnt wine, literally
45. Entertain
46. Puts a spell on
48. Pinot Noir, Merlot, etc.
51. A practice run
53. Use one's brain
55. Type of cashew tree
56. Repeated showing
57. Can read
58. Cultivates garden
59. Burn slightly
60. Quidnunc attribute
62. North Italian river
63. Willow used for wickerwork
65. Mexican food
67. Like Chicago
68. A school of medicine
69. Dominant or recessive



DOWN

- | | | |
|---------------------------------------|---|--------------------------|
| 1. Jovian moon | 23. Whirlwinds near
the Faeroe Islands | 41. Patronizing behavior |
| 2. Noisy fight | 24. Struggles with | 44. Coat or delay |
| 3. Type of instrument | 27. Bottle enclosed in a
protective basket | 46. Fireplace |
| 4. Tea cake | 29. Feel pain | 47. Ointments |
| 5. Keratinous protrusion | 31. Type of aircraft | 49. Compels by force |
| 6. Make holes | 32. Plant nursery | 50. Among other persons |
| 8. Treasure found here? | 33. Waterways | 51. Does 22-DOWN again |
| 9. Pacino film | 34. Small | 52. Egg source |
| 12. Depp film | 35. Formerly | 54. Going price |
| 15. Fundamental nature | 36. Netlike | 58. Prisoner |
| 17. White guy | 37. Goes with "outs" | 60. Roman emperor |
| 19. Lay waste to | 38. Type of fence | 61. Set into a surface |
| 21. Table holding bowl
and pitcher | 40. Eases | 62. Famous ratio |
| 22. Ties | | 64. Location |
| | | 66. Ice cream holder |

A POEM

MARTIN GARDNER
Norman, Oklahoma

This is an excerpt from Gardner's 1969 book *Never Make Fun Of A Turtle, My Son* (Simon and Schuster, illustrated by John Alcorn).

Magic Word

"More jam," said Rosie to her Mom.

"I want more jam," said she.

But no one heard

The Magic Word.

Mom took a sip of tea.

"The jam! The jam! The jam!" she cried.

Her voice rang loud and clear.

"I'd like to spread

It on my bread."

But no one seemed to hear.

"Please pass the jam," Rose said at last.

Now *that's* the thing to say.

When Mother heard

The Magic Word