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- 30. Leisure activity linked with broken vertebrae (3/30/91)
- 31. Waste that can be incinerated in a plasma furnace (5/6/95)
- 32. Brain problem that may be predictable from early writing samples (5/18/96)
- 33. Transient cessation of breathing (7/15/95)

DOWN

- 1. Energy source for the Solar Two experimental power plant (6/15/96)
- 2. Eating disorder that may be mediated by brain opiates (6/17/95)
- 3. Skin disease that can be treated with *trans-retinoic acid* (2/10/96)
- 4. Regulate, as insulin does to glucose (6/29/96)
- 5. Emission of coherent light (9/30/95)
- 6. Coolant now usable in superconductivity experiments (10/2/93)
- 7. Drug given to children diagnosed with attention deficit-hyperactivity disorder (11/25/95)
- 8. Diarrhea-causing indigestible sugar used in "sugarfree" product (8/2/80)

Dates in parentheses indicate issues of SCIENCE NEWS in which the words appear.

ACROSS

- 1. North African country where Jews have a high incidence of Creutzfeldt-Jakob disease (4/27/91)
- 4. Resembling a type of bacteria found in the intestines and in sewage (4/10/93)
- 9. Brain chemical responsible for fat cravings (11/13/93)
- 10. Optical frequency bands whose measurement is eased by a superconducting tunnel junction (5/11/96)
- 11. It can be measured via a rock's magnetization (6/22/96)
- 12. Metal that is scarce in poor soil (6/22/96)
- 13. Synthetic polymer made from rapeseed oil (12/2/95)
- 15. Tails some bacteria spin to move themselves (12/11/93)
- 16. Body found orbiting the sunlike star tau Boötes (7/6/96)
- 18. International child welfare organization that accepted donations of travellers' unwanted coins (10/10/87)
- 20. Cooking liquid that may help protect against breast cancer (two words) (1/21/95)
- 24. Toxic compound found in castor beans (5/15/93)
- 26. Former name of nation in which the Chernobyl meltdown occurred (abbr.) (4/27/96)
- 27. Result of Sahara Desert dust blown across the Atlantic to the United States (12/23 & 30/95)

- 14. Iron-containing molecule found in the marrow of a dinosaur's bones (11/11/95)
- 15. Type of salt generated by a process for mineralizing CFCs (1/20/96)
- 17. Volcanic outflow, which may have spurred bursts of evolution (7/1/95)
- 19. Substance whose aromatic fumes may increase a child's leukemia risk (7/18/87)
- 21. Theoretical quark matter stage named for a type of pasta (3/20/93)
- 22. Drug that, in overdose, has a disruptive effect on heart rhythm (9/5/92)
- 23. Allocation of money for specific uses, such as research and development (5/11/96)
- 25. Unwanted signal in an information system (6/29/96)
- 28. Abnormal fluid accumulation that may be detected by adaptive current tomography (7/11/92)
- 29. Biological waste product found in fertilizer (5/20/95)

The first five readers who send in a correctly solved puzzle will receive a small prize. Send completed puzzles to:

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