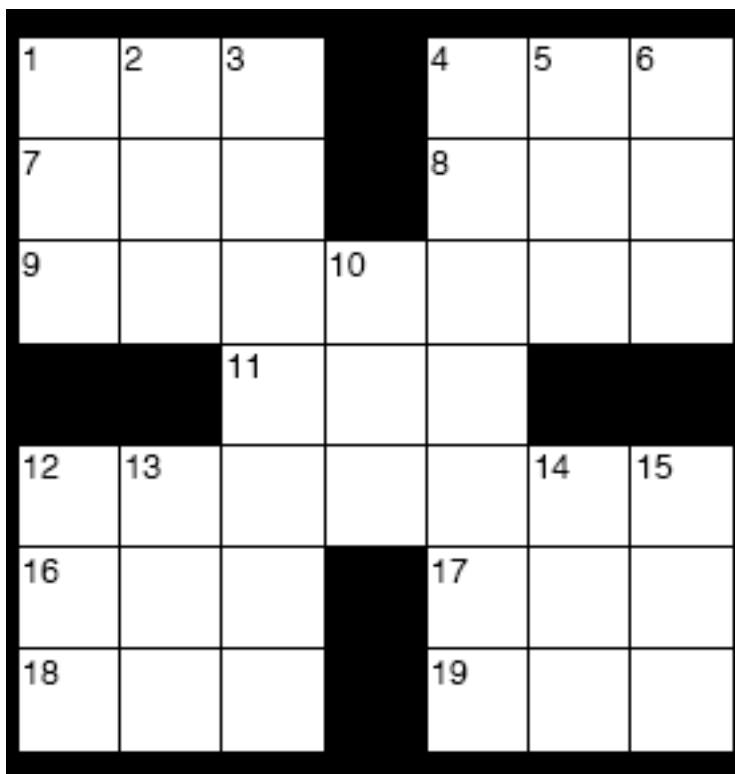


### Instructions:

The “alphabet” to fill in this puzzle consists of the one-letter or two-letter symbols from the Periodic Table of the Elements

(<http://www.chemicalelements.com>).

Part of your challenge, once you have worked out each clue answer, is to decide how to parse it to fit into the 7x7 grid. For example, the word “bathes” can be parsed as BA-TH-ES (atomic numbers 56-90-99), B-AT-HE-S (5-85-2-16), or B-AT-H-ES (5-85-1-99)



by **George Barany and Michael Shteyman (November/December 2005)**

#### Across

1. Temporary internet files that you might want to clear periodically
4. Major French river
7. 1986 Indy winner Bobby
8. Signs (also used interchangeably with one of the definitions of 10-down)
9. Ancient Greek great who did hypotenuse-driven mathematical research
11. Nuclei
12. “\_\_\_\_\_ Earth” (Epcot icon, and the largest buckyball in the world)
16. In ecology, the role of an individual species in its community
17. Rare bird?
18. Network that shows “Nova”, “Baseball”, and “Sesame Street”
19. Enzymes that were discovered, sequenced, and synthesized at The Rockefeller University in NYC: Abbr.

#### Down

1. This may be shot by risk takers or by trash talkers
2. “\_\_\_\_\_ Breaky Heart” (Billy Ray Cyrus hit in 1992)
3. Wellness advisors
4. It can be used as a dagger or as an aphrodisiac
5. Gumbo ingredient
6. Capone nemesis, played by Costner in 1987 film “The Untouchables”
10. Consents
12. Short cut?
13. Dioxin is one: Abbr.
14. “Much” may follow it
15. 1994 Peace Nobel from Israel

*Puzzle distributed to Chem 2301-1 students in honor of completing their final exam, December 21, 2005.*

*Thanks to Jed Fisher and Lloyd Fricker for their astute beta-testing.*