

# Elemental compounds puzzle

Avi Orstein  
Classical Magnet School  
Hartford, Connecticut

Each of these elements appears in at least one of the listed chemicals. However, if you are careful, it is possible to select the correct choices so that each element is matched with a compound and each chemical is used only once.

- |               |       |                      |
|---------------|-------|----------------------|
| 1) calcium    | _____ | A) amino acid        |
| 2) carbon     | _____ | B) auric chloride    |
| 3) chlorine   | _____ | C) baking soda       |
| 4) copper     | _____ | D) brass             |
| 5) fluorine   | _____ | E) bronze            |
| 6) gold       | _____ | F) CFCs              |
| 7) hydrogen   | _____ | G) DDT               |
| 8) iodine     | _____ | H) fool's gold       |
| 9) iron       | _____ | I) glass             |
| 10) lead      | _____ | J) graphite          |
| 11) magnesium | _____ | K) hemoglobin        |
| 12) mercury   | _____ | L) Indian head penny |
| 13) nitrogen  | _____ | M) iodized salt      |
| 14) oxygen    | _____ | N) milk of magnesia  |
| 15) potassium | _____ | O) octane            |
| 16) silicon   | _____ | P) ozone             |
| 17) sodium    | _____ | Q) periodic acid     |
| 18) sulfur    | _____ | R) quicksilver       |
| 19) tin       | _____ | S) solder            |
| 20) tungsten  | _____ | T) Tums              |
| 21) zinc      | _____ | U) wolfram ■         |

Enter your students' correct solutions into a draw on or before May 1, 2019. The prize is Glow-Bright Concentrate to be awarded to the student and teacher. The prize is donated by Educational Innovations. For more information about this prize go to [www.teachersource.com](http://www.teachersource.com). Please have your students print their names clearly and send your students' solutions to: *Chem 13 News*, Elemental compounds puzzle, Department of Chemistry, University of Waterloo, Waterloo, Ontario, N2L 3G1, Canada; or email [kjackson@uwaterloo.ca](mailto:kjackson@uwaterloo.ca). ■

