

# ISOTOPES (answer)

## by Peter Sarrett

Each diagram is a 26-spoked wheel, with each (invisible) spoke representing a letter of the alphabet. Read each diagram clockwise, starting within the innermost circle and moving outward, to reveal an "isotope":

IRON FORTY-NINE

CARBON TEN

HELIUM SIX

LITHIUM EIGHT

HYDROGEN SIX

CALCIUM THIRTY-EIGHT

The first diagram has the letter A oriented at 12:00. The other diagrams are rotated by different amounts. Once you've solved the first diagram, the rest can be solved by looking for numbers in the outermost rings.

The "+" in the center of each diagram hints at the next step. Add the number of each isotope to its element's atomic number, then treat the result as an atomic number and determine the corresponding element:

IRON (26) + 49 = 75 = Rhenium (Re)

CARBON (6) + 10 = 16 = Sulfur (s)

HELIUM (2) + 6 = 8 = Oxygen (O)

LITHIUM (3) + 8 = 11 = Sodium (Na)

HYDROGEN (1) + 6 = 7 = Nitrogen (N)

CALCIUM (20) + 38 = 58 = Cerium (Ce)

Reading the atomic symbols for these elements, in order, yields the final answer, **RESONANCE**