

NPLabs has developed many techniques for transmuting matter on an elemental level. This has proven to have many commercial applications (including creating the merchandise available for purchase at our Gift Shop!).

Apply each transformative step given below to an element from our condensed Periodic Table, one element per transformation. The transformation might apply to either the whole name or abbreviation of the element. No element will be used more than once. When finished, identify a process that you should apply to the one as-yet unused element to obtain your final two-word result.

Sn TIN	Na SODIUM	O OXYGEN	Cu COPPER
Ag SILVER	Au GOLD	Pb LEAD	Fe IRON
Ne NEON	As ARSENIC	Ra RADIUM	Rh RHODIUM

- 1 WRITE THE ELEMENT TWICE to get a comic strip adventurer. (4)
- 2 REVERSE the element to get a sushi component. (2)
- 3 PREPEND A LETTER to the element to get a word meaning “beg”. (1)
- 4 REARRANGE the element to get a place to stash your stogies. (7)
- 5 BEHEAD the element to get a strong dislike. (1)
- 6 PUT THE ELEMENT IN FRONT OF A DIRECTION to get a word meaning “most recent”. (3)
- 7 PUT AN “S” ON EITHER SIDE of the element to get a cry for help. (3)
- 8 REPLACE THE FIRST LETTER WITH THE NEXT TWO IN THE ALPHABET to get a sports venue. (2)
- 9 USE THE ELEMENT AS A LETTER BANK to get a period of cultural flourishing. (2)
- 10 CHANGE THE ANTEPENULTIMATE CONSONANT TO “O” to get a certain craftsman. (4)
- 11 REVERSE A BIGRAM IN THE ELEMENT to get a thin, sharp fragment. (1)