



# ELEMENTAL TRANSMUTATION

## SOLUTION



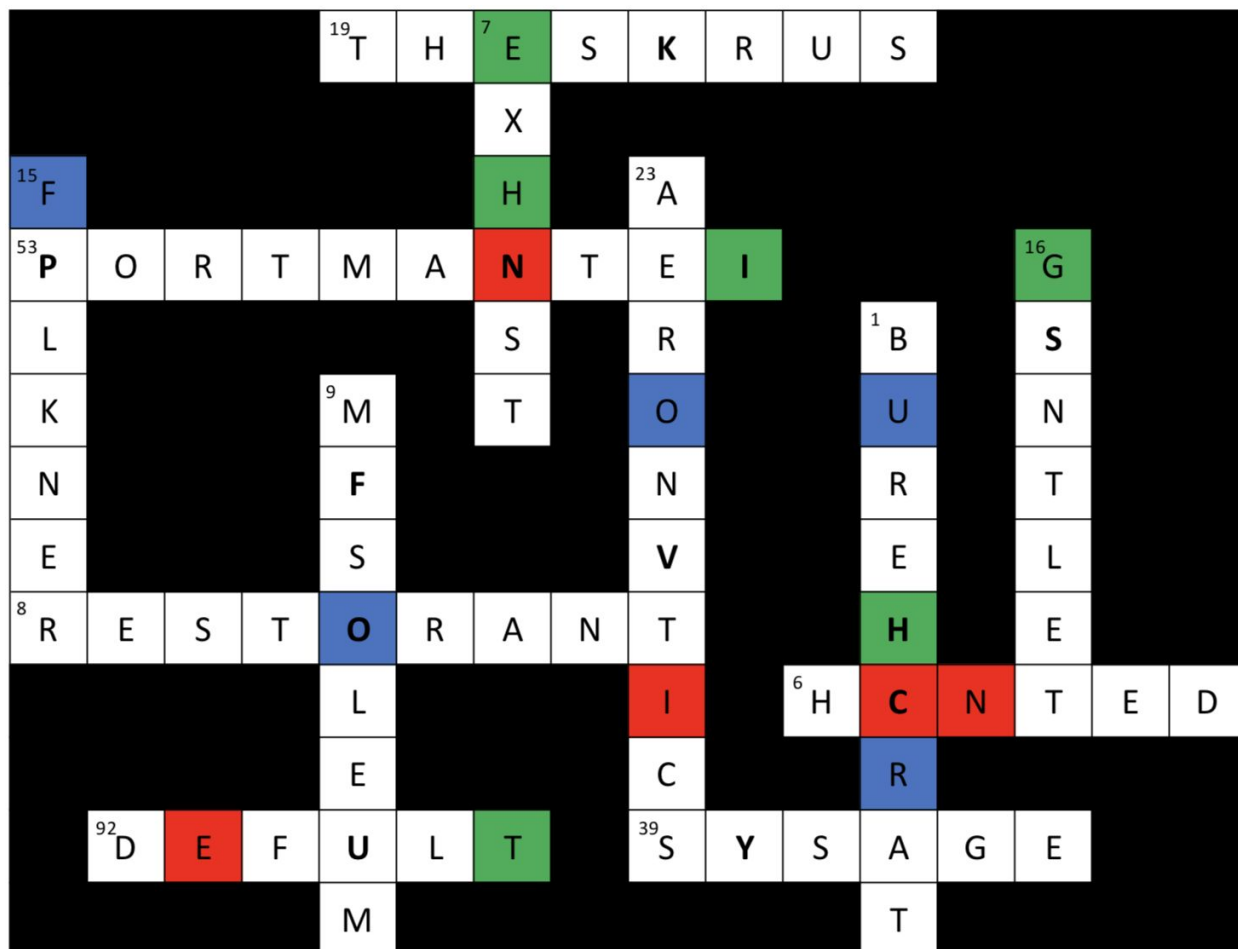
Each crossword clue gives a word that is 1 letter longer than the number of spaces for the word in the crossword.

Synonym collection	THESAURUS
E.g. brunch, skort	PORTMANTEAU
Food establishment	RESTAURANT
Frequented by ghosts	HAUNTED
Fail to pay a loan	DEFAULT
Cylindrical meat	SAUSAGE
Car fumes	EXHAUST
<i>Absalom</i> author	FAULKNER
Study of flight	AERONAUTICS
Armored glove	GAUNTLET
Government official	BUREAUCRAT
House of tombs	MAUSOLEUM

All of the words contain AU, which is the periodic table abbreviation for gold. The flavor text hints to converting gold into other substances (i.e. elements), a process known as transmutation.

The numbers next to each clue indicates the atomic number of the element to convert to. The abbreviation for all of these elements are one letter long. Like with transmutation, the new element abbreviations can replace where the AU is in the word. This will allow the crossword to be completed successfully.

  
**ELEMENTAL TRANSMUTATION**  
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Reading from left to right, top to bottom, we get the following text for each color.

Red	NICNE
Green	EHIGHT
Blue	FOUOR

Each text is a number with an extra letter. It can be read as C NINE H EIGHT O FOUR or  $C_9H_8O_4$ . This is the chemical compound which is more well known as aspirin.

The answer is: **ASPIRIN**