

MAGIC SQUARE

Take the number of the statement that best describes the item in the box and place it in the box. If they are all correct, each column and each row will total up to be the magic number.

$1s^2 2s^2 2p^6 3s^2 3p^6 3d^7 4s^2$ _____	Au _____	Li _____	Total of each row: _____
Mg _____	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$ $4p^6 4d^5 5s^1$ _____	K _____	_____
$1s^2 2s^2 2p^6 3s^2 3p^6 3d^8 4s^2$ _____	$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2$ $4p^6 4d^8 5s^1$ _____	Sc _____	_____

MAGIC NUMBER

Total of
Column _____

Clues:

- $1s^2 2s^2 2p^6 3s^2$
- $1s^2 2s^1$
- Ni
- $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{14} 4s^2$
- Mo
- Co
- $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^6 4f^{14} 5d^{10} 6s^1$
- Rh
- $1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$