

[illegible]

Noble Gases have a FULL valence shell

* Memorize the name & symbol for the elements!

Valence Electrons: the electrons located in the outermost energy level (s & p orbitals)

Valence electrons determine the element's chemical reactivity, or how it bonds with other elements.

A 3x3 magic square with a large 'X' drawn over it. The numbers are: Top row: 1, 5, (empty); Middle row: 4, (empty), 3; Bottom row: 8, (empty), 7. There are green dots in the empty cells and at the intersections of the 'X'.

- ~ The element symbol goes in the center.
- ~ Each $\bullet$ represents one ve^- .
 - ↳ Maximum # is 8 ve^- (octet rule)!
- ~ The electrons are pairs, not in a circle.

EXAMPLES:

