

LEWIS DOT STRUCTURE:

A model of an atom that only shows the element symbol and the OUTERMOST electron shell (level) = Valence Electrons (VE)

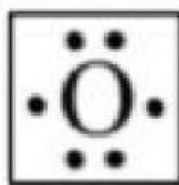
Step 1: Write the Element Symbol..

Step 2: Find the number of Valence Electrons in the OUTERMOST energy level. Same as Group number on Periodic Table.

Step 3: Dots will represent the VE.

Place the dots around the symbol in CLOCKWISE order so that there are no more than 2 dots (VE) per side.

EXAMPLE:



Example: Oxygen

Group 6 = 6 Valence Electrons

EXCEPTION TO THE RULE:

Helium is located in Group 8 on the Periodic Table. BUT Helium only has 2 Valence Electrons.

Practice: Name the number of valence electrons and the Group Number for each.

