

An ion and its charge is represented by the element's _____ and then the _____ is written after it as a _____

Lewis Structures (Lewis dot diagrams)

1. Using your periodic table, check to see how many valence electrons the atom will have.
2. Write the element symbol.
3. Starting at the right, draw electrons, or dots, counter-clockwise around the element symbol.
4. Add or subtract electrons as needed to notate an ion.

K Ca Ga Ge As Se Br Kr

Knowing that the elements in groups 1-2, and 13-18 usually have ion charges of +1,+2,+3,+4, or -3,-2,-1: For the following elements, write a Lewis Dot diagram, the charge number, and whether or not the element is a cation, and anion, or chemically stable.

Element	Lewis Dot Diagram	Common charge Number	Cation, Anion, or Chemically stable?
8			
56			
17			
13			
18			
20			
7			

