

Unit 3, Video 3: Periodic Trends In Ions

1. Which group of elements on the periodic table have as many electrons as possible in their outermost energy level?
2. Would you expect calcium to have a positive or negative charge when it becomes an ion?
3. How many valence electrons does an atom of bromine have?
4. Draw the valence dot diagram for magnesium.
5. What charge should magnesium have when it becomes an ion?
6. Which noble gas should magnesium look like when it becomes an ion?
7. How many electrons should magnesium have when it becomes an ion?
8. Which sublevel will copper lose electrons from when it takes a +1 charge?
9. Use the periodic table below to indicate the trend for ion charges.

