

Ionic Bonding Poster

As a group, you will create a poster to show how two ions come together to create an ionic compound. This is a group effort; therefore, the work should be distributed across the group, with everyone doing an equal share. You may work on separate papers and later attach them to your poster if you wish.

Ms. Wilson will assign your group two ions. List them here: _____

Layout

Your poster must be clearly titled. Include the correct ionic compound name and the correct ionic compound formula. (It is helpful to color coordinate your title with the drawings on your poster).

Definitions

You must include clear definitions of the following words: ionic bond, cation, anion, crystal lattice (you will need to research this last one).

Shell Models

You must draw shell models for both assigned ions, then show how electrons are transferred between ions to form the compound.

Change in Atomic Radius

You must include an initial drawing of each element, then show how the size of the atom will change once it gains or loses electrons.

Crystal Lattice

You will need to research what a crystal lattice is in regards to ionic compounds. Once you have a firm understanding of what a crystal lattice is, you will draw how your ions arrange in a solid, crystal lattice structure. The drawing must show the correct ratio between cations and anions.