

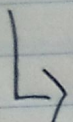
Topic 8 Ionic Bonds

EQ8 How are the formulas & Names of ionic compounds written.

I. Ions

Atoms with 5, 6, or 7 valence usually become more stable when this # increases to eight. Likewise, most atoms with one, two, or three valence electrons & become more stable.

What are ions?



How do ions form?

When an atom loses one of its electrons, it becomes a positively charged ion.

How do ions form bonds?

Ionic bonds form as a result of the attraction between positive & negative ions.

What is chemical formula

II. Chemical Formulas & Name

Chemical formula - is a combination of symbols that shows the ratio of elements in a compound.

Subscript - tells you the ratio of elements in the compound.

What is the subscript?

III Properties of Ionic Compounds

What is a crystal?

Ions - The ions form an orderly, three-dimensional arrangement called a crystal.

Atoms valence are 5, 6, or 7. Chemical formulas are elements are ionic compound.

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Science
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How do ions form?

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