

Class code
G4VYTDDS

Khan Academy topics for Chemistry in the Community

Atoms, Compounds, and Ions

Introduction to the Atom

[Introduction to chemistry](#)

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[Preparing to study chemistry](#)

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[Elements and atoms](#)

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[Average atomic mass](#)

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[Worked example: Atomic weight calculation](#)

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[Atomic number, mass number, and isotopes](#)

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[Worked example: Identifying isotopes and ions](#)

Ions and Compounds

[Introduction to ions](#)

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[Naming ions and ionic compounds](#)

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[Molecules and compounds](#)

Names and formulas of ionic compounds

[Naming ions and ionic compounds](#)

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[Naming monatomic ions and ionic compounds](#)

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[Common polyatomic ions](#)

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[Polyatomic ions](#)

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[Naming ionic compound with polyvalent ion](#)

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[Worked example: Finding the formula of an ionic compound](#)

Electronic Structure of Atoms

History of Atomic Structure

[The history of atomic chemistry](#)

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[Dalton's atomic theory](#)

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[Discovery of the electron and nucleus](#)

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[Rutherford's gold foil experiment](#)

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[Bohr's model of hydrogen](#)

Periodic Table

Introduction to the Periodic Table

[The periodic table - classification of elements](#)

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[Groups of the periodic table](#)

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[Counting valence electrons for main group elements](#)

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[The periodic table - transition metals](#)

Periodic Table Trends

[Electronegativity](#)

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[Electronegativity and bonding](#)

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[Metallic nature](#)

Chemical Bonds

Types of Chemical Bonds

[Ionic bonds](#)

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[Covalent bonds](#)

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[Metallic bonds](#)

Dot Structures

[Drawing dot structures](#)

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[Formal charge and dot structures](#)

[Practice](#)

Meet the Chemistry Professional

[Introduction to "Meet a chemistry professional"](#)

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[Meet Syud Momtaz Ahmed](#)

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[Meet Andrew Chadeayne](#)

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[Meet Colin Fuller](#)

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[Meet Mary O'Reilly](#)

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[Meet Rachel Price](#)

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[Meet Jared Roop](#)

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[Meet Monica Shah](#)

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[Meet Karen Wheeler](#)

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[Meet George Zaidan](#)