

ALEKS for Chemistry

For more granular detail on the topics included, please click the title of each section to view the full pdf



Introductory Chemistry_ **(231 topics)**

Math and Physics (22 topics)
Measurement and Matter (41 topics)
Atoms, Ions and Molecules (19 topics)
Chemical Reactions (31 topics)
Thermochemistry (5 topics)
Electronic Structure and Chemical Bonding (27 topics)
States of Matter (28 topics)
Kinetics and Equilibrium (8 topics)
Acids and Bases (15 topics)
Chemistry of the Elements (8 topics)
Nuclear Chemistry (9 topics)
Organic Chemistry (18 topics)
Other Topics Available (602 additional topics)

General Chemistry_ **(First semester) – 233 topics**

Math and Physics (41 topics)
Measurement and Matter (41 topics)
Atoms, Ions and Molecules (27 topics)
Chemical Reactions (42 topics)
Thermochemistry (17 topics)
Electronic Structure and Chemical Bonding (46 topics)
States of Matter (15 topics)
Acids and Bases (4 topics)
Other Topics Available (600 additional topics)

General Chemistry_ **(Second semester) – 287** **topics**

Math and Physics (28 topics)

Measurement and Matter (12 topics)

Atoms, Ions and Molecules (5 topics)

Chemical Reactions (16 topics)

Thermochemistry (3 topics)

Electronic Structure and Chemical Bonding (24 topics)

States of Matter (39 topics)

Kinetics and Equilibrium (49 topics)

Acids and Bases (43 topics)

Entropy and Free Energy (15 topics)

Electrochemistry (15 topics)

Chemistry of the Elements (13 topics)

Nuclear Chemistry (14 topics)

Organic Chemistry (11 topics)

Other Topics Available (546 additional topics)

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Introduction to General, Organic and Biochemistry. **(236 topics)**

Math and Physics (24 topics)
Measurement and Matter (45 topics)
Chemical Reactions (19 topics)
Electronic Structure and Chemical Bonding (14 topics)
States of Matter (16 topics)
Acids and Bases (7 topics)
Nuclear Chemistry (9 topics)
Principles of Organic Chemistry (11 topics)
Naming and Drawing Organic Molecules (12 topics)
Hydrocarbons (10 topics)
Organic Functional Groups (21 topics)
Biological Macromolecules (33 topics)
Principles of Biochemistry (6 topics)
Metabolism (9 topics)
Other Topics Available (597 additional topics)

General, Organic and Biochemistry Part 1 (227 topics)

Math and Physics (26 topics)
Measurement and Matter (66 topics)
Chemical Reactions (44 topics)
Electronic Structure and Chemical Bonding (26 topics)
States of Matter (26 topics)
Acids and Bases (15 topics)
Nuclear Chemistry (9 topics)
Advanced General Chemistry (15 topics)
Other Topics Available (606 additional topics)

General, Organic and Biological Chemistry Part 2 **(199 Topics)**

Math and Physics (18 topics)

Measurement and Matter (14 topics)

Chemical Reactions (10 topics)

Electronic Structure and Chemical Bonding (12 topics)

States of Matter (4 topics)

Acids and Bases (4 topics)

Principles of Organic Chemistry (12 topics)

Naming and Drawing Organic Molecules (12 topics)

Hydrocarbons (10 topics)

Organic Functional Groups (35 topics)

Biological Macromolecules (44 topics)

Principles of Biochemistry (10 topics)

Metabolism (14 topics)

Other Topics Available (634 additional topics)

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Preparation for Organic Chemistry (175 Topics)

General Chemistry Review Compounds and Reactions (63 topics)

General Chemistry Review Acids and Bases (22 topics)

General Chemistry Review Electronic Structure (37 topics)

Organic Structures (28 topics)

Electronic Structure and Movement (11 topics)

Organic Acids and Bases (5 topics)

Hydrocarbons (9 topics)

Other Topics Available (297 additional topics)

Organic Chemistry 1 (234 Topics)

General Chemistry Review (77 topics)

Structure and Bonding (38 topics)

Organic Acids and Bases (13 topics)

Hydrocarbons (11 topics)

Functional Groups (8 topics)

Stereochemistry (13 topics)

Organic Reactions and Mechanisms (4 topics)

Substitution Reactions (15 topics)

Elimination Reactions (12 topics)

Applications of Substitution and Elimination (10 topics)

Electrophilic Addition Reactions (20 topics)

Organic Oxidation and Reduction (13 topics)

Other Topics Available (238 additional topics)