

Questions by Topic

Section 1: The Particulate Nature of Matter

Diffusion, Brownian Motion, Solids/Liquids/Gases - Multiple Choice

Diffusion, Brownian Motion, Solids/Liquids/Gases (EXT) Theory 1

Diffusion, Brownian Motion, Solids/Liquids/Gases (EXT) Theory 2

Diffusion, Brownian Motion, Solids/Liquids/Gases (EXT) Theory 3

Section 2: Experimental techniques

Measurement - Multiple Choice

Criteria of purity - Multiple Choice

Methods of purification - Multiple Choice

Experimental techniques (EXT) Theory 1

Experimental techniques (EXT) Theory 2

Section 3: Atoms, elements and compounds

Atomic structure and the Periodic Table - Multiple Choice

Bonding: the structure of matter - Multiple Choice

Ions and ionic bonds - Multiple Choice

Molecules and covalent bonds - Multiple Choice

Macromolecules - Multiple Choice

Metallic bonding (Extended candidates only) - Not Available

Atomic structure and the Periodic Table (EXT) Theory 1

Atomic structure and the Periodic Table (EXT) Theory 2

Atomic structure and the Periodic Table (EXT) Theory 3

Atoms, elements and compounds (EXT) Theory 1
Atoms, elements and compounds (EXT) Theory 2
Atoms, elements and compounds (EXT) Theory 3
Atoms, elements and compounds (EXT) Theory 4
Atoms, elements and compounds (EXT) Theory 5
Atoms, elements and compounds (EXT) Theory 6
Atoms, elements and compounds (EXT) Theory 7

Section 4: Stoichiometry

Stoichiometry - Multiple Choice

Stoichiometry (EXT) Theory 1
Stoichiometry (EXT) Theory 2
Stoichiometry (EXT) Theory 3
Stoichiometry (EXT) Theory 4
Stoichiometry (EXT) Theory 5

Section 5: Electricity and chemistry

Electricity and Chemistry - Multiple Choice

Electricity and chemistry (EXT) Theory 1
Electricity and chemistry (EXT) Theory 2
Electricity and chemistry (EXT) Theory 3
Electricity and chemistry (EXT) Theory 4
Electricity and chemistry (EXT) Theory 5
Electricity and chemistry (EXT) Theory 6
Electricity and chemistry (EXT) Theory 7

Section 6: Chemical energetics

Energetics of a reaction - Multiple Choice

Energy transfer - Multiple Choice

Chemical energetics (EXT) Theory 1

Chemical energetics (EXT) Theory 2

Chemical energetics (EXT) Theory 3

Chemical energetics (EXT) Theory 4

Section 7: Chemical reactions

Physical and chemical changes - Not Available

Rate (speed) of reaction - Multiple Choice

Reversible reactions - Multiple Choice

Redox - Multiple Choice

Physical and chemical changes (EXT) Theory

Rate (speed) of reaction (EXT) Theory 1

Rate (speed) of reaction (EXT) Theory 2

Rate (speed) of reaction (EXT) Theory 3

Rate (speed) of reaction (EXT) Theory 4

Rate (speed) of reaction (EXT) Theory 5

Rate (speed) of reaction (EXT) Theory 6

Reversible reactions (EXT) Theory 1

Reversible reactions (EXT) Theory 2

Redox (EXT) Theory 1

Redox (EXT) Theory 2

Section 8: Acids, bases and salts

The characteristic properties of acids and bases - Multiple Choice

Types of oxides - Multiple Choice

Preparation of salts - Multiple Choice

Identification of ions and gases - Multiple Choice

Acids, bases and salts (EXT) Theory 1

Acids, bases and salts (EXT) Theory 2

Acids, bases and salts (EXT) Theory 3

Acids, bases and salts (EXT) Theory 4

Acids, bases and salts (EXT) Theory 5

Acids, bases and salts (EXT) Theory 6

Identification of ions and gases (EXT) Theory

Section 9: The Periodic Table

The Periodic Table - Multiple Choice

Periodic trends - Multiple Choice

Group properties - Multiple Choice

Transition elements - Multiple Choice

Noble gases - Multiple Choice

The Periodic Table (EXT) Theory 1

The Periodic Table (EXT) Theory 2

The Periodic Table (EXT) Theory 3

The Periodic Table (EXT) Theory 4

The Periodic Table (EXT) Theory 5

The Periodic Table (EXT) Theory 6

Section 10: Metals

Properties of metals - Multiple Choice

Reactivity series - Multiple Choice

Extraction of metals - Multiple Choice

Uses of metals - Multiple Choice

Metals (EXT) Theory 1

Metals (EXT) Theory 2

Metals (EXT) Theory 3

Metals (EXT) Theory 4

Metals (EXT) Theory 5

Metals (EXT) Theory 6

Metals (EXT) Theory 7

Metals (EXT) Theory 8

Metals (EXT) Theory 9

Section 11: Air and water

Water - Multiple Choice

Air - Multiple Choice

Nitrogen and fertilisers - Multiple Choice

Carbon dioxide and methane - Multiple Choice

Water (EXT) Theory - Multiple Choice

Air (EXT) Theory 1

Air (EXT) Theory 2

Nitrogen and fertilisers (EXT) Theory 1

Nitrogen and fertilisers (EXT) Theory 2

Nitrogen and fertilisers (EXT) Theory 3

Nitrogen and fertilisers (EXT) Theory 4

Carbon dioxide and methane (EXT) Theory 1

Carbon dioxide and methane (EXT) Theory 2

Section 12: Sulfur

Manufacture and uses. Includes sulfur dioxide questions - Multiple Choice

Manufacture and uses. Includes sulfur dioxide questions (EXT) Theory 1

Manufacture and uses. Includes sulfur dioxide questions (EXT) Theory 2

Manufacture and uses. Includes sulfur dioxide questions (EXT) Theory 3

Manufacture and uses. Includes sulfur dioxide questions (EXT) Theory 4

Section 13: Carbonates

Carbonate - Multiple Choice

Carbonates (EXT) Theory 1

Carbonates (EXT) Theory 2

Section 14 Organic chemistry

Names of compounds - Multiple Choice

Fuels - Multiple Choice

Homologous series - Multiple Choice

Alkanes - Multiple Choice

Alkenes - Multiple Choice

Alcohols - Multiple Choice

Carboxylic acids - Multiple Choice

Synthetic polymers - Multiple Choice

Basics: Names of compounds, Homologous series etc (EXT) Theory 1

Basics: Names of compounds, Homologous series etc (EXT) Theory 2

Basics: Names of compounds, Homologous series etc (EXT) Theory 3

Fuels & Alkanes (EXT) Theory 1

Fuels & Alkanes (EXT) Theory 2

Fuels & Alkanes (EXT) Theory 3

Fuels & Alkanes (EXT) Theory 4

Alkenes (EXT) Theory 1

Alkenes (EXT) Theory 2

Alkenes (EXT) Theory 3

Alcohols & Carboxylic Acids (EXT) Theory 1

Alcohols & Carboxylic Acids (EXT) Theory 2

Alcohols & Carboxylic Acids (EXT) Theory 3

Alcohols & Carboxylic Acids (EXT) Theory 4

Alcohols & Carboxylic Acids (EXT) Theory 5

Alcohols & Carboxylic Acids (EXT) Theory 6

Alcohols & Carboxylic Acids (EXT) Theory 7

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 1

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 2

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 3

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 4

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 5

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 6

Polymers, Synthetic Polymers and Natural Polymers (EXT) Theory 7