

CIE IGCSE Chemistry (0620)

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

Mark Schemes

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

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

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

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

Measurement - Multiple Choice MS

Criteria of purity - Multiple Choice MS

Methods of purification - Multiple Choice MS

Experimental techniques (EXT) Theory MS 1

Experimental techniques (EXT) Theory MS 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

Atomic structure and the Periodic Table - Multiple Choice MS

Bonding: the structure of matter - Multiple Choice MS

Ions and ionic bonds - Multiple Choice MS

Molecules and covalent bonds - Multiple Choice MS

Macromolecules - Multiple Choice MS

Metallic bonding (Extended candidates only) MS- Not Available

Atomic structure and the Periodic Table (EXT) Theory MS 1

Atomic structure and the Periodic Table (EXT) Theory MS 2

Atomic structure and the Periodic Table (EXT) Theory MS 3

Atoms, elements and compounds (EXT) Theory MS 1

Atoms, elements and compounds (EXT) Theory MS 2

Atoms, elements and compounds (EXT) Theory MS 3

Atoms, elements and compounds (EXT) Theory MS 4

Atoms, elements and compounds (EXT) Theory MS 5

Atoms, elements and compounds (EXT) Theory MS 6

Atoms, elements and compounds (EXT) Theory MS 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

Stoichiometry - Multiple Choice MS

Stoichiometry (EXT) Theory MS 1

Stoichiometry (EXT) Theory MS 2

Stoichiometry (EXT) Theory MS 3

Stoichiometry (EXT) Theory MS 4

Stoichiometry (EXT) Theory MS 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

Electricity and Chemistry - Multiple Choice MS

Electricity and chemistry (EXT) Theory MS 1

Electricity and chemistry (EXT) Theory MS 2

Electricity and chemistry (EXT) Theory MS 3

Electricity and chemistry (EXT) Theory MS 4

Electricity and chemistry (EXT) Theory MS 5

Electricity and chemistry (EXT) Theory MS 6

Electricity and chemistry (EXT) Theory MS 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

Energetics of a reaction - Multiple Choice MS

Energy transfer - Multiple Choice MS

Chemical energetics (EXT) Theory MS 1

Chemical energetics (EXT) Theory MS 2

Chemical energetics (EXT) Theory MS 3

Chemical energetics (EXT) Theory MS 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

Physical and chemical changes MS - Not Available

Rate (speed) of reaction - Multiple Choice MS

Reversible reactions - Multiple Choice MS

Redox - Multiple Choice MS

Physical and chemical changes (EXT) Theory MS

Rate (speed) of reaction (EXT) Theory MS 1

Rate (speed) of reaction (EXT) Theory MS 2

Rate (speed) of reaction (EXT) Theory MS 3

Rate (speed) of reaction (EXT) Theory MS 4

Rate (speed) of reaction (EXT) Theory MS 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

Rate (speed) of reaction (EXT) Theory MS 6

Reversible reactions (EXT) Theory MS 1

Reversible reactions (EXT) Theory MS 2

Redox (EXT) Theory MS 1

Redox (EXT) Theory MS 2

The characteristic properties of acids and bases - Multiple Choice MS

Types of oxides - Multiple Choice MS

Preparation of salts - Multiple Choice MS

Identification of ions and gases - Multiple Choice MS

Acids, bases and salts (EXT) Theory MS 1

Acids, bases and salts (EXT) Theory MS 2

Acids, bases and salts (EXT) Theory MS 3

Acids, bases and salts (EXT) Theory MS 4

Acids, bases and salts (EXT) Theory MS 5

Acids, bases and salts (EXT) Theory MS 6

Identification of ions and gases (EXT) Theory MS

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

The Periodic Table - Multiple Choice MS

Periodic trends - Multiple Choice MS

Group properties - Multiple Choice MS

Transition elements - Multiple Choice MS

Noble gases - Multiple Choice MS

The Periodic Table (EXT) Theory MS 1

The Periodic Table (EXT) Theory MS 2

The Periodic Table (EXT) Theory MS 3

The Periodic Table (EXT) Theory MS 4

The Periodic Table (EXT) Theory MS 5

The Periodic Table (EXT) Theory MS 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

Properties of metals - Multiple Choice MS

Reactivity series - Multiple Choice MS

Extraction of metals - Multiple Choice MS

Uses of metals - Multiple Choice MS

Metals (EXT) Theory MS 1

Metals (EXT) Theory MS 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

Metals (EXT) Theory MS 3

Metals (EXT) Theory MS 4

Metals (EXT) Theory MS 5

Metals (EXT) Theory MS 6

Metals (EXT) Theory MS 7

Metals (EXT) Theory MS 8

Metals (EXT) Theory MS 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

Water - Multiple Choice MS

Air - Multiple Choice MS

Nitrogen and fertilizers - Multiple Choice MS

Carbon dioxide and methane - Multiple Choice MS

Water (EXT) Theory MS

Air (EXT) Theory MS 1

Air (EXT) Theory MS 2

Nitrogen and fertilisers (EXT) Theory MS 1

Nitrogen and fertilisers (EXT) Theory MS 2

Nitrogen and fertilisers (EXT) Theory MS 3

Nitrogen and fertilisers (EXT) Theory MS 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

Carbon dioxide and methane (EXT) Theory MS 1

Carbon dioxide and methane (EXT) Theory MS 2

Manufacture and uses. Includes sulfur dioxide questions -
Multiple Choice MS

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

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

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

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

Carbonates - Multiple Choice MS

Carbonates (EXT) Theory MS 1

Carbonates (EXT) Theory MS 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

Names of compounds - Multiple Choice MS

Fuels - Multiple Choice MS

Homologous series - Multiple Choice MS

Alkanes - Multiple Choice MS

Alkenes - Multiple Choice MS

Alcohols - Multiple Choice MS

Carboxylic acids - Multiple Choice MS

Synthetic polymers - Multiple Choice MS

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

Theory MS 1

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

Theory MS 2

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

Theory MS 3

Fuels & Alkanes (EXT) Theory MS 1

Fuels & Alkanes (EXT) Theory MS 2

Fuels & Alkanes (EXT) Theory MS 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

Fuels & Alkanes (EXT) Theory MS 4

Alkenes (EXT) Theory MS 1

Alkenes (EXT) Theory MS 2

Alkenes (EXT) Theory MS 3

Alcohols & Carboxylic Acids (EXT) Theory MS 1

Alcohols & Carboxylic Acids (EXT) Theory MS 2

Alcohols & Carboxylic Acids (EXT) Theory MS 3

Alcohols & Carboxylic Acids (EXT) Theory MS 4

Alcohols & Carboxylic Acids (EXT) Theory MS 5

Alcohols & Carboxylic Acids (EXT) Theory MS 6

Alcohols & Carboxylic Acids (EXT) Theory MS 7

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

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

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

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

Polymers, Synthetic Polymers and Natural Polymers (EXT)

Theory MS 5

Polymers, Synthetic Polymers and Natural Polymers (EXT)

Theory MS 6

Polymers, Synthetic Polymers and Natural Polymers (EXT)

Theory MS 7