

EMS Doha Secondary Revision Guide '24-25

Year: Year 10 IGCSE

SUBJECT: Chemistry 0620

TEACHER(S): Mrs. Rekha and Ms.Sabina

REVISION INFORMATION

Topics/Chapters	Details
Unit 1. States of matter	1.1 Solids, liquids and gases 1.2 Diffusion
UNIT 2: Atoms,elements and compounds	2.1- Elements,compounds and mixtures 2.2 - Atomic structure and the periodic table 2.3 Isotopes 2.4- Ions and ionic bonds 2.5- Simple molecules and covalent bonds 2.6- Giant covalent structures 2.7- Metallic bonding
Unit 3. Stoichiometry	3.1 .Formulae 3.2 Relative masses of atoms and molecules 3.3 The mole and the Avogadro constant
UNIT 5: Chemical energetics	5.1- Exothermic and endothermic reactions
UNIT 6- Chemical reactions	6.1- Physical and Chemical changes 6.2- Rate of reaction
UNIT 8- The periodic table	8.1- Arrangement of elements

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	8.2- Group 1 properties 8.3- Group VII properties 8.4-Transition metals 8.5- Noble gases
UNIT 12: Experimental techniques and chemical analysis	12.1- Experimental design 12.3-Chromatography 12.4- Separation and purification 12.5-Identification of ions and gases

Key Coursebook:Kognity: <https://app.kognity.com/>

Additional information: Please use kognity for revision. In addition to the Kognity textbook you can also use the resources from your google classroom.