

Academic Year السنة الدراسية	2023/2024
Term الفصل	2
Subject المادة	Science / Inspire العلوم / إيسباير
Grade الصف	7
Stream النسب	General الععم
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	60
Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	40
Type of All Questions نوع أسئلة الإمتحان	Paper Part / مقالية / MCQs / موضوعية
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الإمتحان	150 minutes
Mode of Implementation - طريقة التطبيق	SwiftAssess & Paper-Based
Calculator آلة الحاسبة	Allowed مسموحة

Question* السؤال*	Learning Outcome/Performance Criteria** نتائج التعلم / معايير الأداء**	Reference(s) in the Student Book (English Version & Arabic Version) المراجع في كتاب الطالب (النسخة الإنجليزية والنسخة العربية)		
		Example/Exercise مثال / تمرين	Page الصفحة	
الأسئلة المقالية - Paper part	1	Differentiate between the states of matter (solid, liquid, and gas), their properties and particles movement, and compare between energy content in different states of matter	Textbook, figures, tables, 3D	14, 15, 17,
	2	Determine the compound model, the element ratio, and the chemical formula, for unknown compounds using the element percentage of atoms	Textbook, investigation, figures, tables	19, 22, 23, 25
	3	Explain how thermal energy transfers between objects in any state of matter and define heat, system and surrounding	Textbook, lab, 3D	37, 38, 39, 40
	4	Calculate density using graphs and/or displacement method, and relate mass to volume for the same substance	textbook/lab, investigation, figures	121, 122, 123, 124, 125
	5	1. Define porosity and label sediment samples according to their porosity, and compare it to permeability. 2. Analysis of world map for resource locations and areas and explain this pattern	textbook, figures, investigation	41, 42, 45, 48
الأسئلة الموضوعية - MCQs	6	Differentiate between vaporization, evaporation, and boiling point, and relate to pressure and temperature	Textbook, figures	45, 46, 48
	7	1. Describe changes of state in terms of the arrangement, attractive forces, motion, and energy of particles 2. Compare between thermal expansion and thermal contraction and relate temperature to volume [Volume-Temperature Law]	textbook, figures	36, 47, 49
	8	Relate pressure to state of matter and its daily life application	textbook, figure	67, 68, 69
	9	Determine the relationship between pressure and volume at constant temperature, using graphs	textbook, figures, 3D	62, 65, 66
	10	Classify models of substance into metal and nonmetal, or ionic compounds, polar covalent compounds and molecules according to their structure and bonding	textbook, figures, 3Ds	88, 89, 90, 92, 93
	11	Compare between gases (Pure Element, Individual atoms and Pure Element, Molecules and Compound, Molecules)	textbook, figures	82, 86
	12	Compare between physical properties of matter, and identify the tools used to measure these properties	textbook, figures, table	115, 116, 117
	13	Compare physical and chemical properties and how to use them to identify unknown substance (quantitative and qualitative)	textbook, figures, tables, 3D	128, 129, 130, 131, 132
	14	Compare between physical and chemical change with listing examples on them	textbook, figures, table	142, 144,
	15	state the law of conservation of mass and show how mass is conserved in a chemical reaction	Textbook, figures, 3D	147, 150, 152, 155
	16	Compare endothermic and exothermic reactions according to: the chemical equation, energy change (temperature), bonds that contain more energy and give examples	textbook, figures, review	166, 174
	17	List the natural resources and how humans depend on each resource	Textbook, figures	11, 13, 16
	18	Define renewable and nonrenewable energy and resources and compare between them	Textbook, figure, 3D	23, 25
	19	Explain why minerals and some natural resources are not renewable and predict methods to preserve them	textbook, investigation, graphs, 3D	60, 61, 65, 66
	20	Compare synthetic materials and natural materials and list examples on each	textbook, investigation, tables	91, 92, 95, 96
* Questions might appear in a different order in the actual exam				
* قد تظهر الأسئلة بأترتيب مختلف في الإمتحان الفعلي				
** As it appears in the textbook (UAE Edition Grade 7 Inspire Student Edition), LMS, and (Main .ip).				
** كما يوزعت في كتاب الطالب (كتاب الطالب الصف السابع العام طبعه دولة الإمارات العربية المتحدة) و LMS والخطة الفصلية .				