

Academic Year	2023/2024
المعام الدراسي	
Term	2
الفصل	
Subject	Chemistry /Inspire
المادة	الكيمياء /إلهام
Grade	10
الصف	
Stream	Advanced
المستوى	
Number of MCQ	20
عدد الأسئلة الموضوعية	
Marks of MCQ	5
درجة الأسئلة الموضوعية	
Number of FRQ	0
عدد الأسئلة المقالية	
Marks per FRQ	0
الدرجات لأسئلة المقالية	
Type of All Questions	MCQ/ الأسئلة الموضوعية
نوع كافة الأسئلة	
Maximum Overall Grade	100
الدرجة القصوى الممكنة	
Exam Duration -	120 minutes
مدة الامتحان -	
Mode of Implementation	SwiftAssess
طريقة التطبيق	
Calculator	Allowed
آلة الحاسبة	مسموحة

Question*	Learning Outcome/Performance Criteria**	Reference(s) in the Student Book ( English Version& Arabic Version)	
		المراجع في كتاب الطالب (النسخة الإنجليزية والنسخة العربية)	Page
السؤال*	نتائج التعلم /معايير الأداء**	Example/Exercice	الصفحة
الأسئلة الموضوعية - MCQ	1 CHM.5.3.01.014.02 List different observations (or physical evidences) that indicate that a chemical reaction may be taking place	Textbook + Figure 2	134 , 135
	2 CHM.5.3.01.014.10 Explain why it is important to balance a chemical equation while identifying what is conserved	Textbook + Figure 5 , 6 + Table 2 + Example problem 1 + Practice problems	138 , 139 , 140 , 141
	3 CHM.5.3.01.016 Interpret the different type of chemical reaction that can occur under different reaction conditions and in various reaction mediums	Textbook + Figures 7 , 10 , 11 , 12 , 13 , 14 + Exampleproblem 2 + Practice problems	142 , 143 , 144 , 145 , 146 , 147 , 148 , 149 , 150 , 151
	4 CHM.5.3.01.020 Predict the products of single displacement reactions, using the metals and halogens reactivity series	Textbook + Figure 12 , 13 +Exampleproblem + Practice problems	146 , 147 , 148
	5 CHM.5.3.03.003 Write balanced complete and/or net ionic equations to represent one or a series of chemical reactions that occur in aqueous solutions	Textbook + Exampleproblem 3 + Practice problems	154 ,155
	6 CHM.5.3.01.016 Interpret the different type of chemical reaction that can occur under different reaction conditions and in various reaction mediums	Textbook + Exampleproblems 4 ,5 + Practice problems	156 ,157 , 158
	7 CHM.5.3.01.004 Describe the relations between Avogadro's number, the mole concept, mass and the molar mass of any given substance	Textbook + Exampleproblem 1 + Practice problems	170 , 171 ,172 ,173
	8 CHM.5.3.01.004 Describe the relations between Avogadro's number, the mole concept, mass and the molar mass of any given substance	Textbook + Exampleproblems 4 , 5 + Practice problems	178 , 179 , 180 , 181
	9 CHM.5.1.01.009 Predict the periodic properties of elements (e.g. atomic radius, ionization energy, electron affinity and electronegativity) in the period and group in the periodic table.	Textbook + Exampleproblems 2 , 3 + Practice problems	176 , 177 , 178
	10 CHM.5.3.01.009 Predict the periodic properties of elements (e.g. atomic radius, ionization energy, electron affinity and electronegativity) in the period and group in the periodic table.	Example problem 5 + Practice problem	179 , 180
	11 CHM.5.1.01.009 Predict the periodic properties of elements (e.g. atomic radius, ionization energy, electron affinity and electronegativity) in the period and group in the periodic table.	Textbook + figure 8	181
	12 CHM.5.3.01.001 Calculate the formula weight of a chemical compound	Textbook +Practice problem	184
	13 CHM.5.3.01.051.14 Calculate percent yield and theoretical in a chemical reaction	Textbook + Example problem 10 + Practice problems	191 , 192 , 193
	14 CHM.5.3.01.009 Determine the empirical and molecular formulas for different chemical compounds given molar masses, composition percentages or any other data	Textbook + Example problem 11 , 12 + Practice problems	194 ,195 , 196 , 197 , 198
	15 CHM.5.3.01.011 Explain the quantitative relations expressed in a balanced chemical equation, using appropriate measurement units	Textbook + Example problem 1 + Practice problems	212 ,213 , 214 , 215
	16 CHM.5.3.01.011 Explain the quantitative relations expressed in a balanced chemical equation, using appropriate measurement units	Textbook + Practice problems	215 , 216 , 217
	17 CHM.5.3.01.012.03 Calculate the mass of a reactant or a product given the number of moles of another reactant or product and vice versa	example problem 3 + Practice problems	221
	18 CHM.5.3.01.013.03 Identify limiting reactant and excess reactant in a chemical reaction given the particulate diagram of reactants	Textbook + example problem 5 + Practice problems	224 , 225 , 226 , 227 , 228
	19 CHM.5.3.01.013.03 Identify limiting reactant and excess reactant in a chemical reaction given the particulate diagram of reactants	Textbook	229
	20 CHM.5.3.01.013.14 Calculate percent yield and theoretical in a chemical reaction	Textbook + example problem 6 + Practice problems	231 , 232 , 233
* Questions might appear in a different order in the actual exam			
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** As it appears in the textbook( UAE Edition Grade 10 Aavance Student Edition ) 2023 - 2024 , LMS, and			
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