BIOC 141 • ASHBURN MODULE 8 WORKSHEET

Ques	stion 1: How many moles of glucose of	are in 7.8 x 10 ²⁴ molecules of glucose?
Question 2: How many molecules of carbon dioxide are in 10.2 moles of carbon?		
	stion 3: Using the periodic table, calcula redths place.	ate the molar mass of each substance below to the
1.	table salt (NaCl)	
2.	aspirin (C ₉ H ₈ O ₄)	
3.	caffeine (C ₈ H ₁₀ N ₄ O ₂)	
4.	baking soda (NaHCO ₃)	
5.	Mg(OH) ₂	
Question 4: Perform the following molar mass conversions.		
1. What is the mass in grams of 5.00 moles of CH ₄ ?		
2. How many moles of oxygen gas O_2 , are present in a 38 g sample of O_2 ?		
3.	How many grams are contained in a 1	2 mol sample of CaCO₃?