Amount, Mass and Molar Mass WS

1.	Determine the molar mass of each of	
	(a) $MgI_2(s)$	(b) Al(OH) ₃ (s)
	() () () () () () () () () ()	
	(c) (NH ₄) ₂ CO ₃ (s)	(d) CoCl ₂ (s)
2.	Convert each of the following mass	es into its chemical amount:
	(a) 8.40 g of NaOH(s)	
	(b) $4.2 \text{ kg of H}_2\text{O(l)}$	
3.	Convert each of the following amou	unts into a mass in grams of the given substance:
	(a) $0.456 \text{ mol of } Al_2(SO_4)_3(s)$	
	(h) 10 01 -f C CO (l)	
	(b) 18.0 mol of CuSO ₄ (s)	

4. Complete the following table.

Table 1 Molar Calculations

Substance	Molar mass (g/mol)	Mass (g)	Chemical amount (mol)
CaCl ₂ (s)		18.6	
Al ₂ O ₃ (s)			0.267
Mg(OH) ₂ (s)		35.00	
Na ₂ CO ₃ (s)			0.150