

Experiment number:

Continued from page number:

➤ **Results:**

	Volume		
	Chloroform (ml)	Water (ml)	Ethanol (ml)
1	5	0.1	0
2	5	1	
3	5	2	
4	5	3	
5	5	4	
6	5	5	
7	5	7	
8	5	10	
9	5	15	
10	5	20	
11	5	35	
12	5	50	

➤ **Calculations:**

	Chloroform	Ethanol	Water
Molar mass (g/mol)	119.4	46.1	18.0
Specific gravity (g/ml)	1.489	0.789	1.000

- Using the information in the table above, tabulate your calculation according to the following Tables: (V: volume, W: mass, W%: mass percentage)

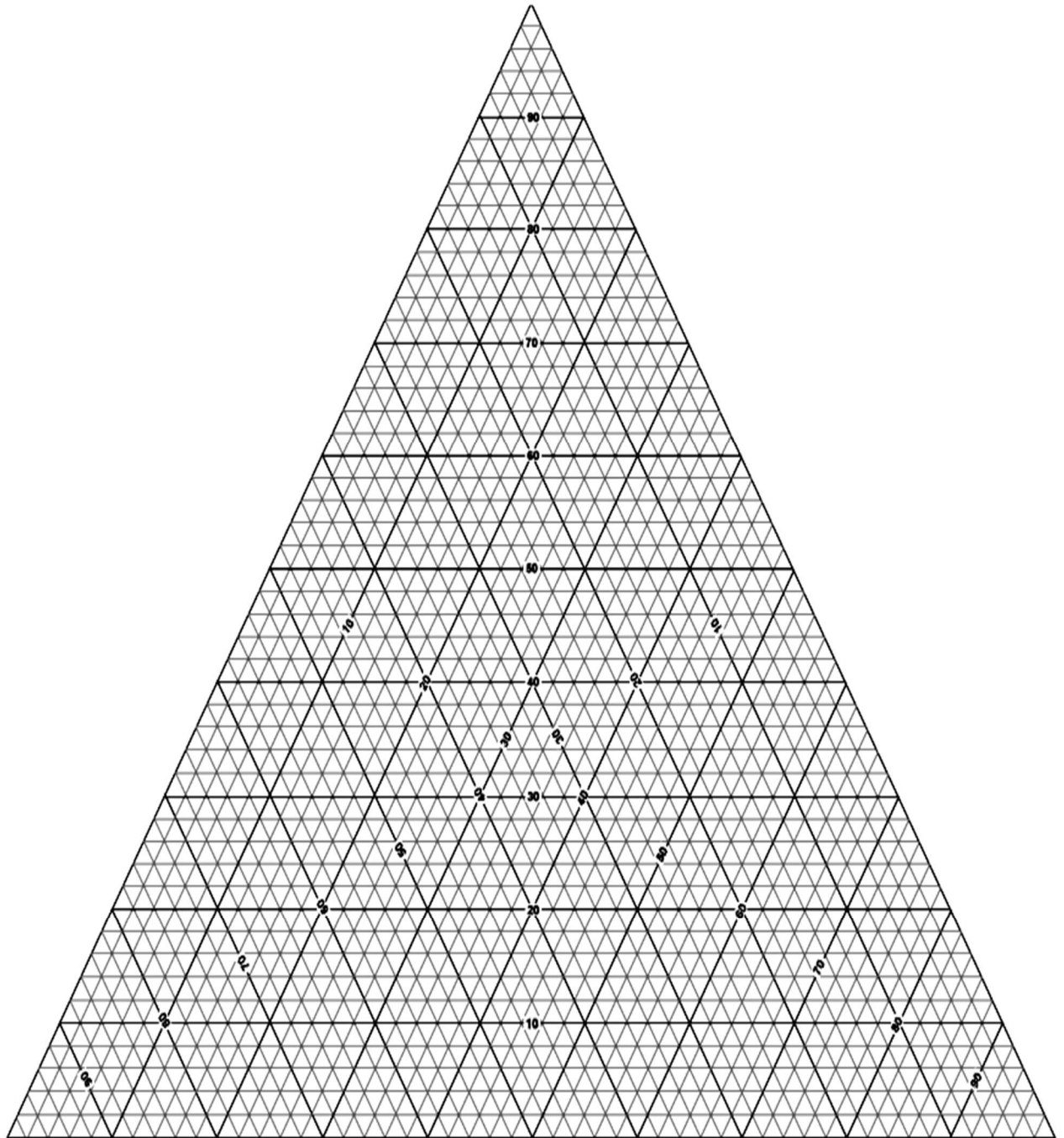
Point	Chloroform			Water			Ethanol		
	V (ml)	W (g)	W% (%)	V (ml)	W (g)	W% (%)	V (ml)	W (g)	W% (%)
1	5			0.1			0		
2	5			1					
3	5			2					
4	5			3					
5	5			4					
6	5			5					
7	5			7					
8	5			10					
9	5			15					
10	5			20					
11	5			35					
12	5			50					

Continued on page number:

Experiment number:

Continued from page number:

- Draw the ternary diagram showing the binodal curve for Chloroform, water and ethanol mixtures based on mass percentage



Continued on page number:

Page number ()

Experiment number:

Continued from page number:

Student report

Student Name:

Show your detailed calculation for **weight %** and **mole%** of chloroform, ethanol and water at one point

I choose point number : _____

NB.: Each student should show different example from other group members

Page number ()

Continued on page number: