Demonstration 9A		Name	Block				
Problem:	How can you identify a s base or salt without						
Procedure	a:		•				
1. Obtair	ı a beaker of each of the so	olutions. Separate th	the clear liquids from the colored liquids.				
others	Locate the names of the colored liquids in column A of the Data Table. Write the names of the others liquids in column B of the Data Table so that each colored liquid can be matched against each of the other liquids.						
high).	Using the testtubes and racks, place 3 mL of a colored liquid in each testtube (about 1 cm high). Add an equal amount of a clear liquid. Record what happens in column C. Repeat until each clear liquid is mixed with a colored liquid.						
4. Repea	at until each clear liquid ha	s been mixed with e	each colored liquid.				
5. Clean	. Clean all the testtubes and return the testtubes, beakers and rack to the front of the room.						
Observat	ions: See Data Table on th	he other side of this	s sheet.				
Question	.s:						
1. Place into to	Place each of the colored liquids in one column of the table below. Then place the clear liquids into two columns, dividing them according to the way they reacted to the colored ones.						

- 2. Obtain three pieces of red litmus and three pieces of blue litmus paper and test one liquid from each column. According to the litmus papers' reactions, label the column ACID, BASE or SALT.
- 3. What do the liquids in each column have in common with each other? (For example: What do each of the acids have in common besides turning the litmus paper a different color?)
- 4. a. If you had a liquid labelled H_3PO_4 , would it be an acid, base or salt? Why?
 - b. If you had a liquid labelled Na₃PO₄, would it be an acid, base or salt? Why?
 - c. If you had a liquid labelled Al(OH)3, would it be an acid, base or salt? Why?

Conclusion: Answer the problem. Provide proof. Use at least one "For Example".

Observation Table: Fill in. Write neatly

A	В	С	А	В	С
			Sr(OH) ₂		
NaOH			Sr(OH) ₂		
NaOH					
N. OII			Sr(OH) ₂		
NaOH			Sr(OH) ₂		
NaOH					
NaOH			Sr(OH) ₂		
			Sr(OH) ₂	-	
NaOH			Sr(OH) ₂		
NaOH			Sr(OH) ₂		
NaOH			SI(OH) ₂		
MOII			Ba(OH) ₂		
KOH			Ba(OH) ₂		
КОН			- (OII)		
КОН			Ba(OH) ₂		
			Ba(OH) ₂		
KOH			Ba(OH) ₂		
KOH					
КОН			Ba(OH) ₂		
			Ba(OH) ₂		
KOH			Ba(OH) ₂		
КОН					

Litmus Paper Test

	1	
Red	Blue	
	Red	Red Blue