•	cal Science	Coagulatiing Coffee Cup	Date
Ms To	pal		Period
KJHS		Name	
	_Coagulating Co	•	
. •		t Styrofoam is mostly	between molecules
		a Styrofoam cup to acetone, I think the cup describe what you think will happen)	will change into
Mater	rials: little pie t	in, Styrofoam cup, acetone	
Proce	dures:		
1.	Pour small amou	unt of acetone into pie tin	
2.	Place Styrofoar	m cup inside pie tin.	
3.	Observe, and to	ouch with mechanical pencil.	
4.	Teacher will re	move material from acetone - it can be touch	ned at this point with your
	hands.		
	vations:		
1.	Acetone: w	vaft: feels:	
2.	Styrofoam befo	ore acetone:	
3.	Styrofoam whil	e in acetone:	
4.	Styrofoam afte	er acetone:	
Write	: up:		
1.	What substance	e makes up the majority of the volume of the	e Styrofoam cup?
			
2.	In your own wor	rds, what do you think "coagulate" means?	
3.		plute, and which is the solvent?	
	Solute:	solvent:	
4.	• •	rrofoam cup into acetone. Is this a physical o	•
	your thoughts.		
_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(1. :1. 207)2	
٥.	what is a polym	ner (key idea on pager 307)?	
6.	List and descri	<u>ibe</u> 3 natural polymers from page 308	
	b)		
	c)		
7.	Define protein:	:	
8.	Define amino a	cid:	

Physical Science	Making Goop	Date		
Ms Toal	.,	Period		
KJHS	Na	me		
Title: making glue to go	on – a polymer lab			
	from a mixture of	alue borax and water		
•	, mined in, California.	giae, zei an, and ware.		
	at when we mix the borax solution wit	th a alue solution		
• •	ome a	m a grae solution,		
	ck, Dixie cup with glue solution, Dixie	cup with borax solution		
Procedures: Making Go	, •	•		
 Make an observation 	•			
	about the borax solution.			
3. Pour the borax solution into the glue solution.				
	a popsicle stick for 2 minutes			
•	rom cup DO NOT GET ON BOOKS OF	R CLOTHING		
	s about this new material called a			
Bring Gloop to front				
•	Put the materials away. No Goop can	an down the sinks!!!!		
Observations:	ar maranais away.	<u></u>		
Material	Observation			
Glue solution				
Borax solution				
New material	1.			
(2 observations)	2.			
Write up: (Use textboo	k - pages 309 - 313)			
9. Define "plastics" fro	om page 309			
•	, 5			
10. List the names, pro	perties and uses for 3 synthetic poly	ymers from Figure 18 on pager 309		
	· · · · · · · · · · · · · · · · · · ·			
c)				
	f the development of Polymers in Hist			

12. What's the BIG difference between natural polymers and synthetic polymers?