## Steam Mini –Chromatography Challenge

Name\_\_\_\_\_

Chromatog	aphy Basics	5						
1. Chromato	graphy is the	ese	eparation of a		into its	individua	l	
2. List three	substances th	nat can be analyzed with	th chromatograp	hy				
3. A		_ is a mixture created v	when one		I		1	
substance is	Solution		Solute(s)	) Solvent				
dissolved in a				Kool-Aid	1			
4. Identify the solute and solvent for each substance in $\rightarrow$ the chart.				Soda pop Ocean water				
5. What is k	nown as the	universal solvent?			I		I	
		ore solute: a glass of v		Aid or bare	ly sweet K	ool-Aid?	Explain.	
7. What does	it mean if a	substance is "soluble"	in water?					
Chromatogi	anhy Lah							
		s directions to create	chromatogram	s for 4 diff	erent mar	kers.		
	arker #							
	s Observed							
Color	s Observed							
2. Analysis	– Answer th	ese questions based o	on the results.					
a) Do a	ll the sample	es look the same? Why	y or why not? $\_$					
b) Iden	tify each of t	hese: Solvent =		Solute =	=			
Video: Fall (	Colors - Wa	tch the video to answ	er these questio	ons.				
			-					
	What type of trees have leaves that change colors?							
3. How	How are these green structures used in trees?							
	What color of pigments are found in leaves?							
	Why can't we see these pigments except in the fall?							
Radial Chro	matograph	v						
		d solvent for this expe	riment? Solute	:=		Solvent	=	
		er for this activity?						
		directions to create rad						

brought in.