

Chemistry Rubric for Percent of Water in a Hydrate Lab

Compo	osition		
	Heading	Name, Partner's Name, Experiment Date, Report Due	/ 5 pts
	Title: D	escriptive, short and unambiguous	
		The Effect of Various Doses of Alcohol on the Reproductive Abnormalities	
	. •	f Rats)	/ 5pts
	A1 4 4		
	Abstract Stated	the purpose of the lab	/ 6 pts
_		how the experiment was conducted	$\frac{7 \text{ pts}}{7 \text{ pts}}$
_		the major discoveries/conclusions	/ 7 pts
	T / 1 /		
	Introduction		/ 5 -> 4 c
-		vas the purpose of the lab?	/ 5pts
-		orld uses for copper II sulfate pentahydrate. s a hydrate (define) & how does hydrate differ from anhydrate?	/ 5pts
-		mentally, how can the water be removed from a hydrate?	/ 5pts / 5pts
-		s the hydrate's formula?	/ 5pts
_		s the proper chemical name for the hydrate?	/ 5pts
-		nathematical equations will be used to determine percent composition?	/ 5pts
-		percent of water should be in the hydrate?	/ 5 pts
_		rces were properly cited within the text	/ 5 pts
	Materials:	Are present and in a list format	/ 5 pts
	Procedure	: In a numbered list, complete sentences, third person and past tense	/ 10pts
		The manifest and, complete continues, this is person and pass to the	, 10,000
		Composition Subtotal	/ 90 pts
Result	S (Data,	Calculations, and Graphs)	
		e Format – MUST BE WRITTEN IN INK	
	Table	is numbered and has a descriptive title	/ 5pts
	Labels	are attached to each column	/ 5pts
_	Units a	are attached to each item	/ 5pts
_	Overal	l neatness of the data table	<u>/ 5pts</u>
	Calculation	ns – MUST BE WRITTEN IN INK	
		udent showed the appropriate equations	/ 5 pts
_		udent substituted data into the equations	/ 5 pts
_		ceptable mathematical answer was obtained	/15 pts
_		mbers have the correct units attached?	/ 5 pts
	Signifi	cant figures were used properly	/ 5 pts
-	Percen	t error calculated after stating accepted value	/10 pts
	Data Descr	ription – NO VALUES	
		was fully and accurately recorded	/ 10pts
_		ervations were objectively described	/ 5 pts
_		from each table and graph were fully described	/ 20pts

Graph titl Variables Axes are Data are a The scale	MUST BE WRITTEN II e is present and format on appropriate axes labeled and units correc accurately plotted on th is ruled accurately for h was completed on Ex	ctly identified se graph paper the data scel	lts Subtotal	/3 pts /4 pts /8 pts /5 pts /5 pts /5 pts /5 pts
			as Subtotai	/ 135 pts
Analysis				
Discussion				
	the purpose of the lab	to points and coloulations)		<u>/ 5 pts</u>
	of hydrate, mass of any	ta points and calculations)		/ 20pts
	a hydrate?	ydiate, water 16st, etc.)		/ 6 pts
		tes different on a molecular lev	el?	/ 7 pts
	2	experimentally obtained (the m		/ 6 pts
		in the hydrate calculated?		<u>/ 6 pts</u>
		obtained percent of water in the	•	<u>/ 6 pts</u>
Why did	the mass change betw	veen the hydrate and the anhydr	ate?	<u>/7 pts</u>
	ecommendation ted percent error			/ 5 pts
	perimental errors and t	heir sources 1	2 3	/9 pts
	perceived errors have a		$\frac{2}{2}$ $\frac{3}{3}$	/15 pts
	e errors have been elim		23	/15 pts
What experimen	ntation may be the next	logical step?		/ 5 pts
Stated the Stated the	ragraph e purpose of the lab e method used e major discoveries accurately accomplish y	your purpose and why?		/ 5 pts / 5 pts / 5 pts / 10 pts
Work Cited:	Work cited in MLA fo	ormat with reputable resources		/ 13 pts
	nce: (Title, Abstract, I Technical Writing	Introduction, etc)		<u>/ 5 pts</u>
	n and Past Tense writir			/ 10pts
Grammar, Spe	lling, Sentence Mechar	nics, font size and spacing		/ 10pts
		Discussi	ion Subtotal	/ 175 pts
Composition Subtotal	/ 90 pts	Comments:		
Results Subtotal	/ 135 pts			
Discussion Subtotal	/ 175 pts			
Total	/ 400 pts			

Percentage	
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