



Name:

Lab Report #:

Chemistry Rubric for Percent of Water in a Hydrate Lab

Composition

_____	Heading	Name, Partner's Name, Experiment Date, Report Due	<u> / 5 pts</u>
_____	Title:	Descriptive, short and unambiguous (eg: The Effect of Various Doses of Alcohol on the Reproductive Abnormalities of Rats)	<u> / 5pts</u>
_____	Abstract		
_____		Stated the purpose of the lab	<u> / 6 pts</u>
_____		Stated how the experiment was conducted	<u> / 7 pts</u>
_____		Stated the major discoveries/conclusions	<u> / 7 pts</u>
_____	Introduction		
_____		What was the purpose of the lab?	<u> / 5pts</u>
_____		Real world uses for copper II sulfate pentahydrate.	<u> / 5pts</u>
_____		What is a hydrate (define) & how does hydrate differ from anhydrate?	<u> / 5pts</u>
_____		Experimentally, how can the water be removed from a hydrate?	<u> / 5pts</u>
_____		What is the hydrate's formula?	<u> / 5pts</u>
_____		What is the proper chemical name for the hydrate?	<u> / 5pts</u>
_____		What mathematical equations will be used to determine percent composition?	<u> / 5pts</u>
_____		What percent of water should be in the hydrate?	<u> / 5 pts</u>
_____		Resources were properly cited within the text	<u> / 5 pts</u>
_____	Materials:	Are present and in a list format	<u> / 5 pts</u>
_____	Procedure:	In a numbered list, complete sentences, third person and past tense	<u> / 10pts</u>
		Composition Subtotal	<u> / 90 pts</u>

Results (Data, Calculations, and Graphs)

_____	Data Table Format – MUST BE WRITTEN IN INK		
_____		Table is numbered and has a descriptive title	<u> / 5pts</u>
_____		Labels are attached to each column	<u> / 5pts</u>
_____		Units are attached to each item	<u> / 5pts</u>
_____		Overall neatness of the data table	<u> / 5pts</u>
_____	Calculations – MUST BE WRITTEN IN INK		
_____		The student showed the appropriate equations	<u> / 5 pts</u>
_____		The student substituted data into the equations	<u> / 5 pts</u>
_____		An acceptable mathematical answer was obtained	<u> /15 pts</u>
_____		All numbers have the correct units attached?	<u> / 5 pts</u>
_____		Significant figures were used properly	<u> / 5 pts</u>
_____		Percent error calculated after stating accepted value	<u> /10 pts</u>
_____	Data Description – NO VALUES		
_____		Data was fully and accurately recorded	<u> / 10pts</u>
_____		Observations were objectively described	<u> / 5 pts</u>
_____		Data from each table and graph were fully described	<u> / 20pts</u>

Percentage
