Final Rank:

Piqua Regional

Final Score:

Can't Judge a Powder Test

	School Name:	Student Name:	
	School Number:	Student Name:	
	Answer the following questions by usir fully supports your answer on the line p you can still get partial credit with a wr	ng your observations. Enter the number(s) of the observation(s) that provided If an observation was not made for a specific question, rite-in answer.	Answer Credit (Do not Use)
1	GENERAL OBSERVATIONS Control Observation - What was the ap	pproximate mass of your sample in grams?	
2	Describe the physical characteristics o	f the sample	012345
			012345
3	What was the reflective tendencies (Lu	ister) of the sample with regard to light (radiodisity)?	012345
4	If crystalline, were the crystals of unifor	rm shape or irregular?	
5	Did the sample appear to be hygrosco	pic?	012345
			012345
6	DISTILLED WATER OBSERVATIONS Control Observation - Was the distilled	S water able to conduct a current?	
7	Did the mixture of the substance / disti	lled water solution conduct a current?	0 1 2 3 4 5
			012345
8	Was the sample hydrophilic or hydroph	nobic?	
9	Was the sample soluble in distilled wat	ter?	0 1 2 3 4 5
10	Was there a reaction that occured whe	in sample was mixed with distilled water?	012345
10			012345
11	How did the density of the sample com	npare to that of <u></u> ₽ 0 ?	
			012345



12	HCI OBSERVATIONS Was the sample soluble in HCI?	
10		012345
13	Was the HCI / sample solution able to conduct a current?	012345
14	How did the density of the sample compare to that of HCI?	
		012345
15	NaOH OBSERVATIONS Was the sample soluble in NaOH?	
16	How did the density of the sample compare to that of NaOH?	012345
		012345
17	BENEDICTS SOLUTION OBSERVATIONS Was the Benedict's Solution miscible with the aqueous sample?	
18	What color was the aqueous solution with Benedict's before heating	012345
19	When the aqueous solution with Benedict's was heated in a hot water bath, was there a notable change?	0 1 2 3 4 5
20	What was the final resultant color of the aqueous solution with Benedict's after heating in hot water bath?	012345
	CONCLUSIONS:	0 1 2 3 4 5
	Inaccurate or inapplicable Observations will be marked as wrong. Be sure they support your answers!	
21	Would you classify the substance as a covalent compound or an ionic compound Ans:	_
	Supporting Observations:	0 1 2 3 4 5
22	Why would you classify the substance as organic or inorganic?	
	Ans:	- 012345
23	Why would you classify the sample as a monosaccharide or a disaccharide?	
	Ans:	-
	Supporting Observations:	012345

24 Why would you classify this sample as Acidic, Basic or Neutral?	
Ans:	
Supporting Observations:	012345
25 Explain why there were or were not free ions and or cations present in the HCI / sample solution?	
Ans:	
Supporting Observations:	012345
26 Explain why you believe the specific gravity of the substance was greater than or less than 1?	
Ans:	
Supporting Observations:	012345
27 Explain what observations may indicate that there are free Copper cations present in Benedicts Solution?	
Ans:	
Supporting Observations:	012345