Name	Lab Partner	
TA Name	Section	Date

## Solutions and Spectroscopy PreLab Worksheet

1. V	Whic	h hazards are associated with copper(II) sulfate?			
		flammable			
		carcinogenic			
		corrosive			
		toxic			
		irritant			
2. V	What	action should you take if you spill these materials on yourself?			
3. Select the correct answer that completes the sentence below: Waste solutions containing copper are to be					
		flushed down the sink.			
		disposed of in the bottle for waste copper ion once the work is complete.			
		ignored. No waste will be generated in this experiment.			
		returned to the bottle containing $0.5~\mathrm{M}$ copper sulfate solution.			
		dumped in a beaker labeled "waste copper" on one's bench during the experiment.			
4. <b>v</b> mL		nes obtained with volumetric flasks, pipets, and burets are recorded to the nearest			
		1			
		0.1			

		0.01
		0.001
5.	Abso	rbances should be recorded to which place value?
		1
		0.1
		0.01
		0.001
6.	The l	palances in the lab measure to which place value?
		1
		0.1
		0.01
		0.001
		0.0001
7.	What	t formula is used to determine the concentration of a solution when it is diluted?
8.	Defin	e the terms in the formula: $A = \varepsilon l$ c. What are the units of each term?
	(ء	A

9. Please describe two ways to prepare a solution of known concentration.

 $\varepsilon =$ 

c =

c) l =

d)