Lab Rubric: Osmosis in Red Onion

Name:	Attribute		Description Description	Period: Points Possible	Earned
			Final Draft Quality Attributes		
Ink and Legible			Everything but lab drawings is Typed or written in standard blue or black ink & legible	1	
Neatness			All lines are drawn with a straight edge	1	
			Cover Page Attributes		
Hypothesis			Ifthenbecause format	1	
			Plausible scientific reason, based on unit concepts	1	
Cover Page Complete			The problem statement is copied onto the cover page and the procedure for the lab is written, similar to handout	1	
On Time and Complete		te	A stamp is present (.5 pt for stamp BUT)	1	
		(Cell Diagram Data Collection Attributes		
Initial Red Onion Cell	Cell Drav		Drawing: 1) follows lab drawing rules 2) replicates patterns seen in the specimen 3) is labeled with all relevant structures	3	
	Stamp		Present	1	
Onion Cell in 10% Sal Solution	Cell Drav		Drawing: 1) follows lab drawing rules 2) replicates patterns seen in the specimen 3) is labeled with all relevant structures	3	
	Stam	p	Present	1	
Onion Cell in Tap Water			Drawing: 1) follows lab drawing rules 2) replicates patterns seen in the specimen 3) is labeled with all relevant structures	3	
	Stam	p	Present	1	
Analysis A					
Analysis Questions			Questions 1-5 are answered in complete sentences and include a good scientific reasoning	2	
		F	Argumentation (Conclusion) Attributes	_	
			ectly answers the experimental question (or correctly s whether the hypothesis/prediction was correct).	1	
Evidence	Highest data	Discu	issed the trend in the vacuole in NaCl	1	
	Lowest data	Discusses the trend in the vacuole flushed with tap water		1	
Reasoning	Linking	Expla	ains how the evidence supports the claim	1	
	Scientific Explanation	Provides a plausible (possible) scientific reason that explains the trend seen in the data.		1	
		I	Total:	25	