

Name: \_\_\_\_\_

Lab: Scanning Tunneling Microscope

Grader: \_\_\_\_\_

Grading Rubric	Subscore	Maximum	Score	Total
<b>Title Page</b>				<b>2</b>
<b>Results</b>				<b>28</b>
Experimental Setup		3		
<b>STM</b>				
Image		2		
Lines Indicating Planes		4		
Measured d-spacing values		4		
<b>Optical Tunneling</b>				
Angle of TIR		5		
Index of Plexiglass		5		
Tunneling Distance		5		
<b>Discussion</b>				<b>45</b>
X-ray Diffraction		10		
STM		10		
Angle for 4kV / Reason for no (002)		5		
X-ray Wavelength Discussion		10		
Optical Tunneling Discussion		5		
Website Discussion		5		
Units (-1 every occurrence)				
Measurements w/o uncertainty (-1/2 every occurrence)				
<b>Total</b>				<b>75</b>