Name:	Class period:	Date:
Mock AFM	(Atomic Force Microscope) PowerPoint	:
1) Slide 3:	What's the OBSERVATION?	What's the INFERENCE ?
,	What's the OBSERVATION? ess likely explanation for the observation	What's the INFERENCE?
,	When you measured wind speed, you wind speed. What did you actually mea	
4) Define "p	proxy variable" as you understand it.	
5) Describe	e another common situation where a pro	oxy variable is used.
6) Describe limitation a)	e 3 ways using a proxy variable can crea s. b)	ate problems or
proxy varial	e 2 different situations (examples) in whi ble, because what needs to be measure of human senses. b)	
8) Slide 18:	Briefly describe how an 'AFM' works.	
,	You'll probe to discover and map an u fore you start, describe 2 possible prob	•
,	ou started, you probably (I hope!) had a ed your method. Describe what you cha	•



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- 11) Slide 21: What would be the benefits of increasing your sampling resolution?
- 12) What would be one drawback to increasing your sampling resolution?
- 13) Make a quick sketch (underneath) of what the bottom of a 'black box' would look like for each graph:

