

BIO 300- BIOLOGY AS A SCIENCE

Key Vocabulary	Assignments
<p>control group controlled experiment data dependant variable experiment experimental group hypothesis independent variable law resolving power science technology theory Transmission Electron Microscope (TEM) Scanning Electron Microscope (SEM)</p>	<p>1. Skim pages 32-43</p> <ol style="list-style-type: none"> Do questions # 1, 2, 3 on page 43 Due: What is the difference between a theory and a law? <p>2. Read pages 44-48</p> <ol style="list-style-type: none"> Do question # 2 on page 48 Due: What is the difference between resolution and magnification? How many mm are there in 10 cm? What is the difference between a TEM and a SEM? <p>3. Read the Science News article “Leashing the rattlesnake” by Susan Milius published by Science News; Sep 27, 2003; 164, 13. You can download the article using the DHS library. After reading the article complete the following.</p> <ol style="list-style-type: none"> Explain how the following quote relates to the article and to the scientific method as we learned it in class: “The idea was there-what you had to do was make it work.” Did this article change your perception of scientists or the process of scientific research? Why or why not? Give an example to support your answer. <p style="text-align: right;">Due:</p> <p style="text-align: center;">Test on Chapters One and Two on _____</p>