**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Seat #\_\_\_\_\_**

**RWS 8.1: Life is Cellular**

1. Who invented the microscope and when?
2. Who was the first scientist to observe living cells?
3. What are the three parts of the cell theory?

1. What is the difference between a light microscope and an electron microscope?

1. What are the two major types of electron microscopes and what is the difference between them?

1. What are the differences between prokaryotes and eukaryotes?

 7. What types of organisms have eukaryotic cells?