

Name: _____

Per. _____

Bozeman A Tour of the Cell

1. What is the reason why cells are small? Explain in your own words!
2. What did the microscope allow scientists to do?
3. What's a difference between looking at subjects through an optical microscope and a TEM/SEM microscope? (hint: something OTHER than magnification power!)
4. Which kingdoms are mainly **prokaryotic**? Which kingdoms are mainly **eukaryotic**?
 - a. What are the **differences** between prokaryotic and eukaryotic cells?
 - b. What are the **similarities** between prokaryotic and eukaryotic cells?
5. This part will be fun! Fill out the table below!

Eukaryotic Organelles

ORGANELLE	LOCATION	FUNCTION
Nucleolus		
Nucleus		

Ribosome		
Vesicle		
Rough ER		
Golgi Body		
Cytoskeleton		
Smooth ER		
Mitochondria		
Vacuole		
Cytosol		
Lysosome		
Centriole		

Label the numbers with the correct organelle name.

