**Review of Cells** (blendspace)

**CELL SIZE and SCALE**

1. What is the average size of a grain of salt?
2. How big is an amoeba proteus? How big is a paramecium? (Remember this relationship for when you study amoebas)
3. How big is an *E. coli* bacterium? How big is a mitochondrion?
4. Are all cells the same size?

**CHARACTERISTICS OF LIFE**

1. List the six characteristics of all living things.
2. Define [homeostasis](http://www.ck12.org/biology/Homeostasis?referrer=crossref).
3. What is a cell?

**CELL** **THEORY (Cell Biology and the Wacky History of the Cell Theory)**

1. What type of microscope would be best for studying the structures found inside of cells?
2. What are the three basic parts of the cell theory?
3. Give an example of a specialized cell.
4. What is a tissue?
5. What is the relationship between tissues and organs?

**PROKARYOTE and EUKARYOTE (article and video)**

1. What 4 things do ALL cells have in common?
2. What are organelles?
3. Compare the location of the genetic material of eukaryotic cells and prokaryotic cells.
4. What are [ribosomes](http://www.ck12.org/biology/Ribosomes?referrer=crossref)?
5. What are the only prokaryotes?
6. Which prokaryotes are multicellular?

7. Create a Venn Diagram to show the similarities and differences between prokaryote and eukaroyote cells.

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