Bio11

Name: _____ Lab Period/Time: _____

/4pts

Preview for Lecture Assignment

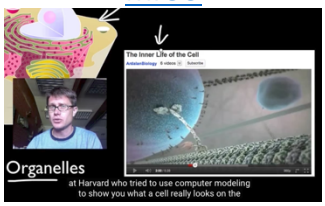
#2 Cells: Structure & Transport

1. Watch Video.
2. Answer Questions.
3. Write a Summary. Other Options: If you are a visual learner, you are welcome to draw out your summary. If you are an auditory learner, you are welcome to record a verbal summary and submit it electronically.
4. Submit this in the first 5 minutes of class in the lecture we cover this content. Or submit electronically on Canvas before the start of class.

Chapter 3.1-3.4 Or This Video:

Vid#1: (Time: 9:37)

https://www.youtube.com/watch?v=aczbMlSMr8U



https://www.youtube.com/watch?v=aczbMlSMr8U

Structure Questions:

1. What is a Prokaryote (aka prokaryotic cell) Vs a Eukaryote (aka a eukaryotic cell)?

Prokaryote:	**Eukaryote:**

2. Identify function and structure of each of the following organelle

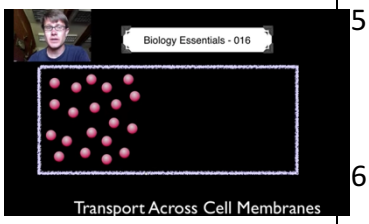
You are welcome to do these on flashcards in place of this chart, just show me the cards.

	Function	Structure (feel free to draw)
The Plasma Membrane		
Cytoskeleton		
Endomembrane System		
Nucleus		
Rough endoplasmic reticulum (RER)		
Smooth endoplasmic reticulum (SER)		
The Golgi Apparatus		
Lysosomes		
Ribosomes		

Bio11

Chapter 3.4-3.6 Or This Video:

Vid#1: (Time: 13:57, you only need to watch the first 10mins)
https://www.youtube.com/watch?v=RPAZvs4hvGA



Transport Questions:

3. What is Diffusion?

What:	Draw:

4. What is osmosis?

5. Why is diffusion called passive transport?

6. What is active transport? When do you have to do it?

What?	When?

Summary: