

Go to FILE and DOWNLOAD AS, then choose a file type that works for you.
Google Drive users can go to FILE and MAKE A COPY.

4.04 Advanced Prokaryotes and Eukaryotes Guided Notes

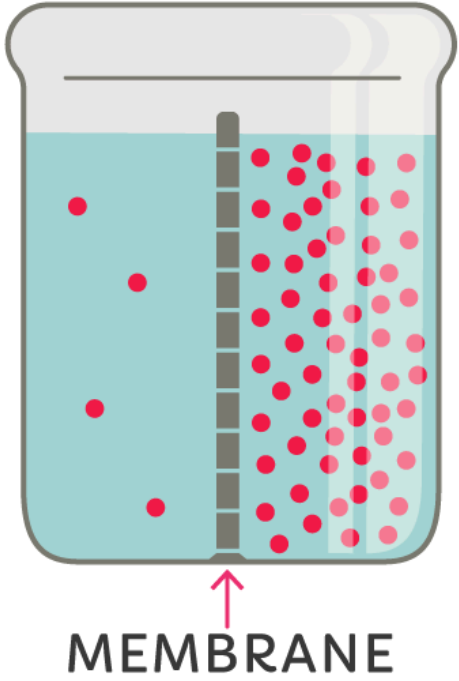
Objectives:

In the lesson you will:

- compare and contrast the general structures of prokaryotic and eukaryotic cells
- describe passive and active transport
- explain the role of cell membranes as a highly selective barrier

Big Ideas:

Key Questions and Terms	Notes
What are prokaryotes and eukaryotes?	
Eukaryotes are found in _____ and _____.	
Prokaryotes are better known as _____.	
How are the structures of prokaryotes and eukaryotes similar and different?	
Prokaryotes store DNA in a _____.	
What role do cell membranes play in prokaryotic and eukaryotic organisms?	
Eukaryotes and prokaryotes are both surrounded by a _____.	
What is a concentration?	
What is the difference between a solute and a solvent?	
If you sprayed an air freshener, where would the highest concentration of air freshener be found?	
What would happen if a cell membrane let too much water into a cell?	
How do substances move across the cell membrane?	
Materials move across a cell membrane in a process called _____.	
What is the difference between active transport and passive transport? Which one requires energy?	

What are two different types of passive transport?	
What is an example of diffusion?	
What is an example of osmosis?	
<p>Use the image to answer the following questions.</p>  <p style="text-align: center;">MEMBRANE</p>	<ol style="list-style-type: none"> 1. Explain which direction the molecules will move during diffusion. 2. Which side represents high concentration? 3. Which side represents low concentration?
<p>How are Eukaryotes and Prokaryotes Similar and Different? Complete the Venn Diagram.</p>	

