

Warm Up (9/12-9/13)

1. List 2 functions of the cell membrane.
2. Relate “selective permeability” to “homeostasis”.
3. Describe 2 differences between prokaryotes and eukaryotes.

Agenda

- Warm up
- Grade Homework and review lab
- Organelles: Group Presentation Slides and notes
- Prokaryote vs Eukaryote creative writing assignment

Homework:

- **Creative writing assignment (DUE MON/TUES)**
 - **Memorize cell organelles & their functions**
 - **Use table 7.1 on page 187**

****Ch 6/7 Exam next WED/THURS****

Table 7.1 (pg 187)

Table 7.1 Comparison of Prokaryotic and Eukaryotic Cells

Cell Part	Function	Prokaryotic Cell	Eukaryotic Cell
Plasma membrane	Maintains homeostasis	Present	Present
Cell wall	Supports and protects cell	Present	Present in plants
Ribosome	Makes proteins	Present	Present
Chloroplast	Produces food	Absent	Present in plants
Cytoskeleton	Provides internal structure	Absent	Present
Endoplasmic reticulum	Chemical reactions	Absent	Present
Golgi apparatus	Sorts and transports	Absent	Present
Lysosome	Digests material	Absent	Present in some
Mitochondrion	Transforms energy	Absent	Present
Nucleus	Cell control center	Absent	Present
Vacuole	Storage	Absent	Present

Group Presentations

- Create a shared Google presentation with your table mates.
- Create 3 slides
- Use large pictures, not too much text
- Become an expert on your assigned organelles

Options for Presentation

1. Plasma membrane, Cell Wall, and Nucleus
2. Nucleolus and Ribosomes
3. Cytoplasm & Cytoskeleton
4. Vacuoles & Lysosomes
5. Endoplasmic Reticulum and Golgi apparatus
6. Mitochondria and chloroplast- mention plastids and chlorophyll
7. Cilia and Flagella

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- Become an expert on your organelle