

Cell Exam Vocabulary and Concepts List:

Parts of the Cell

- Cytoplasm
- Lysosome
- Vacuole
- Chloroplast
- Cytoskeleton
- Cell membrane
- Cell wall
- Nucleus
- Nucleolus
- Organelle
- Mitochondrion (has features like bacteria)
- Chloroplast (has features like bacteria)
- Ribosome
- Rough ER
- Smooth ER
- Golgi apparatus
- Centriole/Centrosome

Types of Cells

- Eukaryotes & Prokaryotes

- Types of Eukaryotes

- plants
 - animals
 - fungi
 - protists

- Types of Prokaryotes

- eubacteria (bacteria)
 - archaebacteria

HELA Cells

Stem Cells

Cell Size and Cell Shape

- Surface area-volume ratio influences on diffusion rates

- Cell shape influences on diffusion rates

- Cell specialization

Focus on Bacteria

- Shapes

-coccus -bacillus -spirillum

Arrangements

-strepto -staphylo -diplo

Gram Characteristics

-gram + vs. gram -

Antibiotic Resistance

Gene Sharing

-transformation

-transduction

-conjugation

Endosymbiotic Theory of Eukaryotic Development