

Cell Organelles

Chapter 3b

I. Overview

II. Organelles

A. Nucleus

1. chromatin
2. chromosomes
3. nuclear envelope
4. nuclear pores
5. nucleolus

B. Mitochondria

C. Endoplasmic Reticulum

1. rough ER
 - a. ribosomes
2. smooth ER

D. Vesicles

E. Golgi apparatus

F. Lysosomes

1. endosomes
 - a. endolysosomes
2. phagosomes
 - a. phagolysosomes

G. Peroxisomes

H. Vacuoles

I. Cilia & Flagella

III. Cytoskeleton

A. Microfilaments

1. actin

B. Intermediate fibers

C. Microtubules

1. tubulin

D. Centrioles

1. basal bodies