

Cornell Notes

7th Grade

2/9/16

VI Cytoskeleton

- a. web of Proteins in Cytoplasm
 - b. Act as a muscle and skeleton in a Cell.
 - c. Helps Keep Cell ~~Membrane~~ Membrane From Collapsing ~~shrinking~~ - Helps Cells Move
 - d. 3 Proteins in Cytoskeleton
- ★ Not an organelle
≡

VII Mitochondria

- a. Main Power Source in Cells
 - b. breaks sugar down to make/produce Energy
 - c. Covered by 2 Membranes
Inner; Outer Membranes
 - d. Energy made/produced by Mitochondria
Stored in ATP.
 - e. Cells use ATP to Do "Work"
 - f. Mitochondria have their own DNA that Makes Messages.
- Stored in side inner Membrane
- ATP = Adenosine Triphosphate

VIII. Chloroplasts (Plants)

a. ONLY in Plant Cells

b. Where Photosynthesis takes place - (Happens)

c. Make Food for plants and algae

d. Photosynthesis -
use sunlight, ~~to~~ and
Carbon Dioxide, and
Water ↓

makes Sugar & Oxygen

e. Green in Color -

Chlorophyll a

green pigment

f. Chlorophyll Traps
energy of Sunlight

8.5 ~~III~~ Golgi Complex

a. helps make proteins

b. helps distribute
proteins & Lipids

c. ER makes some
Lipids & Proteins that
are sent into the
Golgi Complex
organelle

d. Golgi Complex uses Proteins & Lipids for different jobs

e. Small bubbles Released From Golgi complex Pinch off - travel to other parts of Cells inside or to Cells outside.

~~IX~~

Vesicle

Not an organelle

a. Bubble From Golgi Complex called "Vesicle"

b. All Eukaryotic Cells have

c. Move Materials within Cells

X Lysosomes

a. Vesicles that help digestion in Cells

b. Also destroy worn out or damaged organelles

c. Get Rid of Waste materials

* d. Protect Cells from Foreign invaders

XI Vacuoles

Is an
organelle

- a. a Large Vesicle
- b. Store digestive enzymes
- c. Aid in digestion
- ~~B~~ INSIDE Cells
- d. Full of Water-Supports cells
- e. Stores other Materials - "garbage" too.