

## **ORGANELLE COMPARISONS TABLE**

For EACH of the following list:

- 1) structure
- 2) function
- 3) presence in prokaryotes, eukaryotes, or both
- 4) any additional notes of importance, key terms, etc....

CELL MEMBRANE

CYTOPLASM

DNA

RIBOSOME

CELL WALL

MEMBRANE BOUND ORGANELLES

MITOCHONDRIA

ENDOPLASMIC RETICULUM

- ROUGH

- SMOOTH

GOLGI APPARATUS

LYSOSOME

PEROXISOME

VACUOLES

TONOPLAST

CONTRACTILE VACUOLE

VESICLES

PLASTIDS

CHLOROPLASTS

NUCLEUS

NUCLEAR MEMBRANE

NUCLEOLUS

CYTOSKELETON

CILIA/FLAGELLA

EXTRACELLULAR MATRIX

Additional:

ENDOSYMBIOTIC THEORY (pg 109)

What is it?

What evidence supports it?