



TT

Chitin

Eukaryotic Cells

1 2 3 4 5

Plants

Animal

Algae: →

→

Fungi: →

→



Eukaryotic Cell Organelles 1

1 2 3 4 5

Lysosomal
Enzymes /
Lysozymes

Nucleus

Rough Endoplasmic Reticulum ()

Smooth Endoplasmic Reticulum ()



Golgi Aparatus

Golgi Vesicle

lysosomes





Eukaryotic Cell Organelles 2

Mitochondria

Cell Wall

Vacuole



Chloroplast

Ribosome





Eukaryotic Cell Organelles 3

Centrioles

-
-
-
-
-
-



TT

Transcription

1



2

3

Translation

4

5

Exocytosis

6

7

Production & Secretion of Proteins

- 1
- 2
- 3
- 4
- 5



Prokaryotic Cell Structure

1 2 3 4 5

Loop of DNA

→ Pilus (Pili) → cell wall →

→

→ Flagellum (Flagella)

→

→ Mesosome

→

→

→ plasmid

→

→ Capsule

→

→ Small ribosomes

→

→

Cytoplasm

Cell membrane



Prokaryotes Vs Eukaryotes

- 1
- 2
- 3
- 4
- 5

	Prokaryotes	Eukaryotes
→		→
①		①
②		②
③		③
④		④
⑤		⑤
⑥		⑥