

Prokaryotic vs Eukaryotic Cell

- Prokaryote
- DNA is circular and found in plasmids
 - Contains relatively few genes (fewer than 30)



- Eukaryote
- DNA is linear and found in chromatin mostly in the nucleus
 - Contains more genes

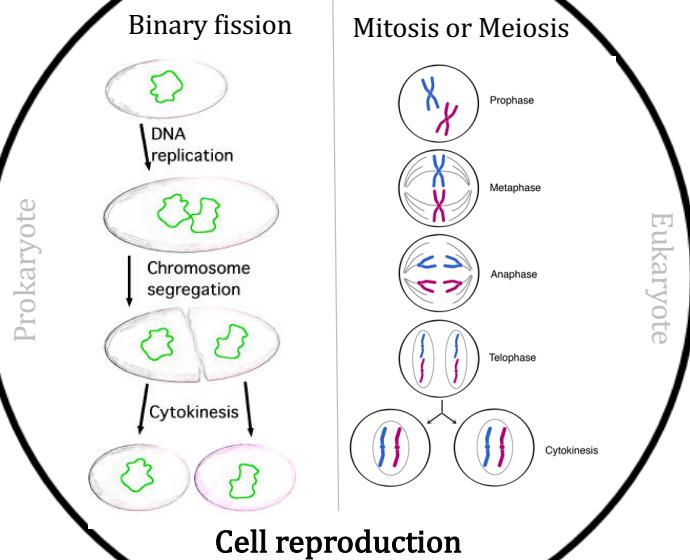


DNA

- Prokaryote
- No membrane-bound nucleus
 - No membrane-bound organelles

- Eukaryote
- Contains a nucleus
 - Has membrane-bound organelles

Organelles



Prokaryote

- Always single-celled (smaller)

-Examples:

Bacteria

E-coli

Streptococcus

Eukaryote

- Usually multicellular (larger)

-Examples:

Protists

Fungi

Plants

Animals

Examples

