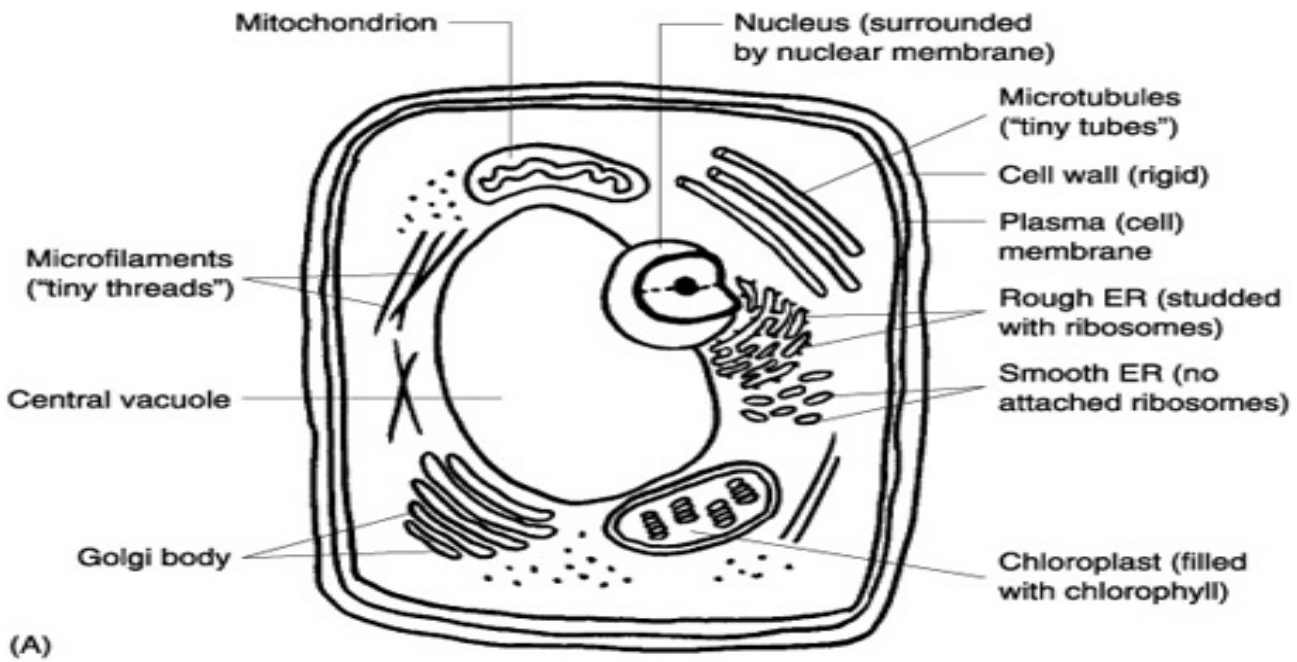
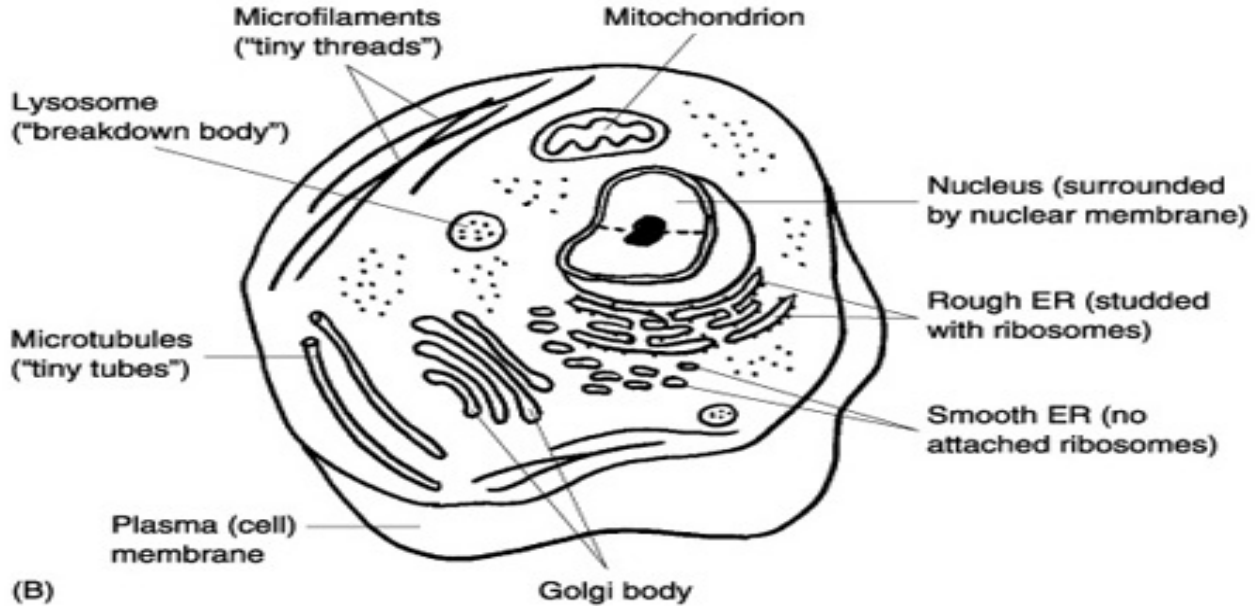

Mitochondrion
Nucleus (surrounded by nuclear membrane)
Microtubules ("tiny tubes")
Cell wall (rigid)
Plasma (cell) membrane
Microfilaments ("tiny threads")
Rough ER (studded with ribosomes)
Central vacuole
Smooth ER (no attached ribosomes)
Golgi body
Chloroplast (filled with chlorophyll)

(A)


Microfilaments ("tiny threads")
Mitochondrion
Lysosome ("breakdown body")
Nucleus (surrounded by nuclear membrane)
Rough ER (studded with ribosomes)
Microtubules ("tiny tubes")
Smooth ER (no attached ribosomes)
Plasma (cell) membrane
Golgi body

(B)