

# CELL ORGANELLES FUNCTION CHART

Function	Structure	Organelle
delivery system, passageways that carry materials	ribbon like, folded membrane, tubes, can be smooth or rough	endoplasmic reticulum
carry the code material (DNA) that controls the cells activities	string like colored bodies	chromosomes
powerhouse, burns sugar to produce most energy for the cell	oval, footprint shape	mitochondria
Pads and supports organelles inside the cell. Moves by cyclosis	fluid, clear, jellylike	cytoplasm
Covers and protects the nucleus	thin, flexible, like skin, semipermeable	cell membrane
stores water and nutrients needed by cell and also stores waste	arge, round, fluid filled sac	vacuole
Make proteins	tiny, dark, round, no membrane, can be attached to the E.R.	ribosome
the brains of the cell, directs activities of the cell	botarge, round, near center of cell, appears darker	nucleus
protection, controls the materials that move in and out of the nucleus	thin layer, surrounds the nucleus	nuclear membrane
receive proteins and other materials from the E.R. Packages them and distribute them to other parts of the cell.	stacks of flattened sacs, channels, folded membrane	golgi body
capture energy from the sun and use it to produce food for plant cells	oval shape	chloropast
gives shape and support	stiff, surrounds cell	cell wall