

CELL ORGANELLES AND THEIR FUNCTIONS

CELL STUCTURE	FUNCTION	LOCATION
Smooth ER	synthessises lipids	within cytoplasm
Centrioles	spin the mitotic spindle	two rod-shaped bodies near the nucleus
Microtubules	moves cell or cell parts	throughout cytoplasm
Lysosome	to digest invading cells or to break down old organelles	throughout cytoplasm
Golgi Apparatus	to process lipids and proteins and package them for exocytosis	within cytoplasm
Rough ER	synthesis proteins	flattened membraneous sacs located near the nucleus
Nuclear Pores	to allow mRNA to move into the cytoplasm	within the nuclear membrane
Nucleolus	involved in the synthesis of ribosomes	within the nucleus
Cell Membrane	confines cell contents; regulates entry and exit of materials	external boundary of the cell
Cilia	act collectively to move substances across the cell surface in one direction	hair like structures on the surface of some animal cells
Mitochondria	controls release of energy from foods; forms ATP	scattered throughout cell
Ribosomes	synthesis proteins	attached to membranes or scattered in the cytoplasm