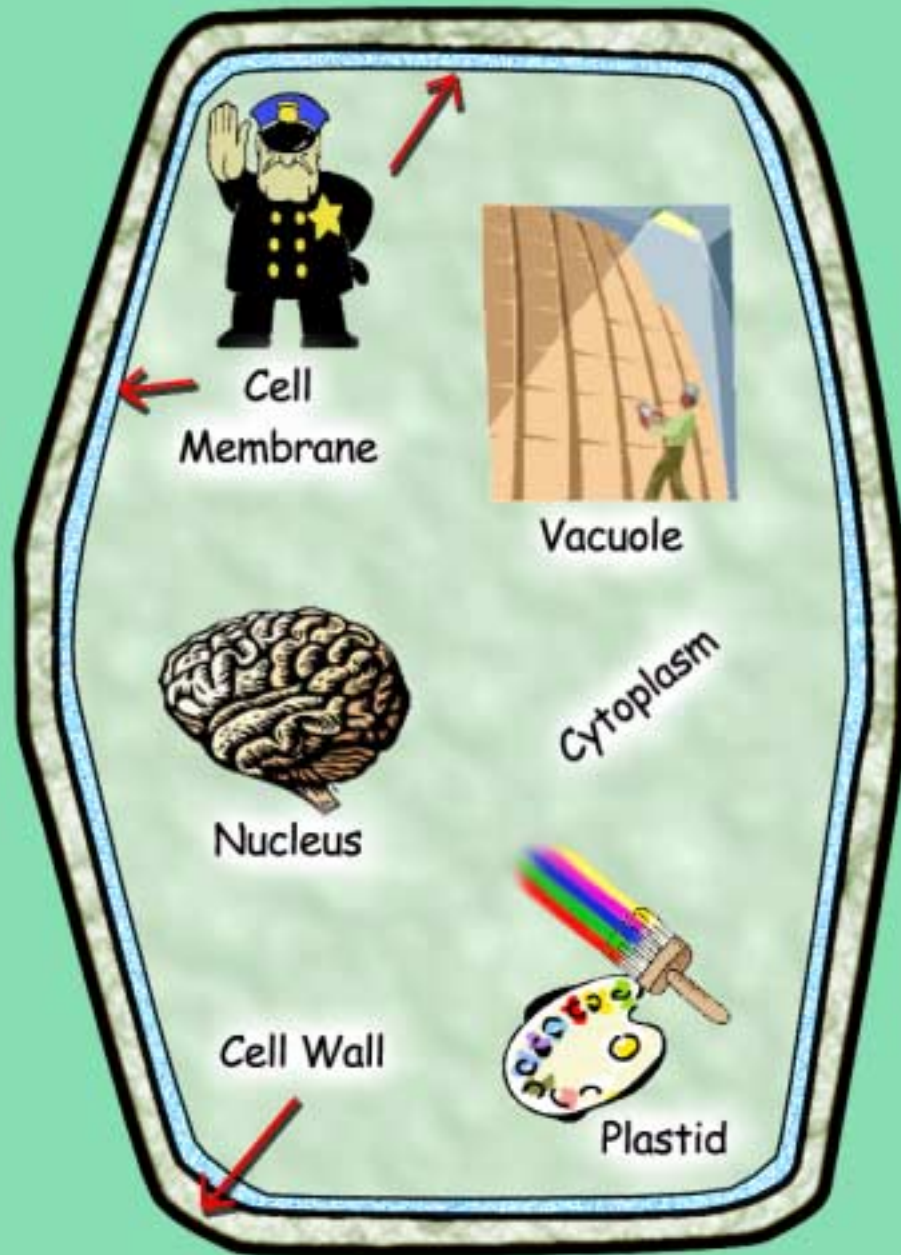


Parts of the Cell

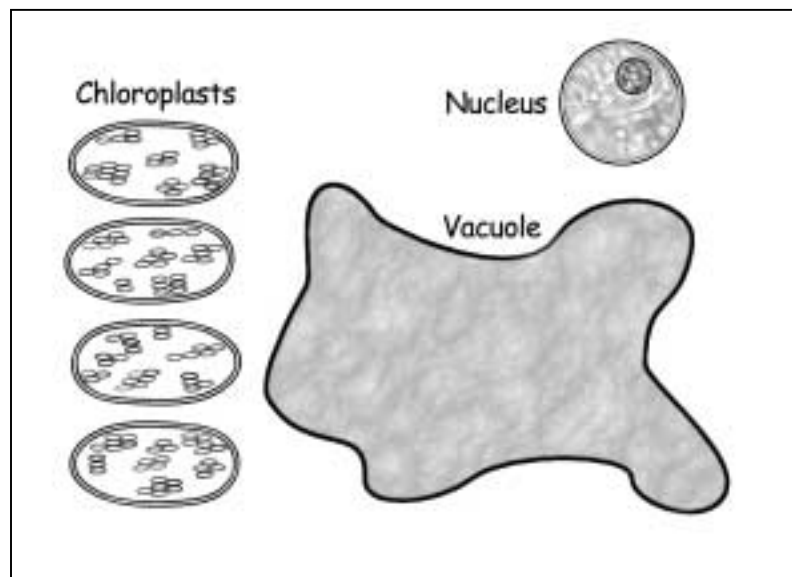
Cell Part	Function
Cell (plasma) membrane	controls entry into and out of cell
Cell wall	shapes and supports a plant cell
Chlorophyll	traps light and is used to produce food for plants
Chloroplasts	food for plant cells is made here
Chromosomes	contains code which guides all cell activities
Cytoplasm	jellylike substance within cell
Endoplasmic reticulum	surface for chemical activity
Golgi bodies	stores and releases chemicals
Lyosome	digestion center
microtubule	hollow cylinder that supports and shapes cell
Mitochondria	"powerhouse" of cell
Nuclear membrane	holds nucleus together
Nucleolus	spherical body within nucleus
Nucleus	chromosomes are found here
Plastid	stores food or contains pigment
Ribosomes	where proteins are made
Vacuole	contains water and dissolved minerals

Parts of a Plant Cell



Parts of a Cell

Cell Part	Description	Function
Cell (plasma) membrane	Semi-permeable membrane surrounding cell	Selects what enters cell - traffic cop
Nucleus	Spherical, often in center, bounded by membrane	Contains information to run cell - cell's brain or computer
Cytoplasm	Semi-fluid medium between plasma and nuclear membranes	Jellylike substance within cell - contains organelles
Vacuole	Membrane-bound sac	Stores food and waste - cell's warehouse
Cell wall (plant cells only)	Fibers of cellulose	Shapes and supports a plant cell
Plastid	Contain pigments	Determines color



Parts of a Cell (Advanced)

Cell Part	Function
Cell (plasma) membrane	controls entry into and out of cell
Cell wall	shapes and supports a plant cell
Chlorophyll	traps light and is used to produce food for plants
Chloroplasts	food for plant cells is made here
Chromosomes	contains code which guides all cell activities
Cytoplasm	jellylike substance within cell
Endoplasmic reticulum	surface for chemical activity
Golgi bodies	stores and releases chemicals
Lysosome	digestion center
microtubule	hollow cylinder that supports and shapes cell
Mitochondria	"powerhouse" of cell
Nuclear membrane	holds nucleus together
Nucleolus	spherical body within nucleus
Nucleus	chromosomes are found here
Plastid	stores food or contains pigment
Ribosomes	where proteins are made
Vacuole	contains water and dissolved minerals