

Structure	Function	Bike Factory Analogy	Memory Aid
<u>Nucleus</u>	Like "the brain" of the cell; holds the <u>chromosomes</u>		nuclear bomb = <u>mind blowing</u>
<u>Chromosomes</u>	Long molecules (DNA) that has all the information coded on it for the cell's activities		Google chrome = stores information
Cell membrane	A barrier around the cell; lets certain things pass through it		thin wall
<u>Cytoplasm</u>	<u>Watery fluid</u> inside the cell; keeps the cell "full" so it doesn't collapse		Ghostbusters = ectoplas = ghost goo
<u>Vacuole</u>	Stores water, and <u>nutrients</u> , and waste in the cell		Vacuum = stores waste
<u>Flagellum</u>	Like a tail, to help a cell move		flag = waving tail
<u>Cilia</u>	Little hairs surrounding a cell; may help the cell move		silly string = hairs
Cell wall	A barrier around a cell (only plant cells!); makes the cell strong and rigid; prevents it from bursting; lets lots of things pass through it		wall
<u>Chloroplasts</u> plant	Green things in a cell; for photosynthesis; turns water + carbon dioxide + sun into sugar + oxygen	chloro ~ colour = green	plast ~ <u>plant</u>
<u>Mitochondria</u>	Where energy is created in the cell; sugar is " <u>burned</u> " here	on = power on dria = sugar <u>drained</u>	oven <u>mitt</u> = prevent <u>burns</u>
<u>Ribosomes</u>	Build <u>protein</u> molecules (proteins are like insulin, collagen (skin), everything in your body)		ribs = meat = <u>protein</u>
Endoplasmic Reticulum (ER)	Like tunnels; to transport <u>proteins through</u> , and out of a cell	ER = ambulance transports patients	ER = hospital <u>hallways</u> = tunnels
<u>Golgi Apparatus</u>	Where the <u>finishing touches</u> are put on protein molecules, and protein molecules are <u>packed up</u> for transport	Golgi = yogi bear = steals <u>picnic baskets</u> = packed up food	App = <u>filters on</u> instagram = finish touch
<u>Lysosomes</u>	Break down waste in the cell; kills bacteria		<u>lyso</u> = kills bacteria