


CELL PARTS CHART

CELL PART	FUNCTION	DESCRIPTION	LOOKS LIKE	CELL TYPE
cell wall	provides support and protection			plant cells only
cell membrane		skin surrounding cells made of proteins and lipids	bag	
		largest organelle filled with threadlike strands of chromatin	round or oval ball	both
nuclear envelope		envelopes nucleus membrane has pores		both
	genetic material that controls cell functions		threadlike strands	both
nucleolus		smaller structure within the nucleus	smaller ball than nucleus	
cytoplasm	cushions the cell	jellylike substance made of water, salts, etc.		
	powerhouse of the cell releases energy during RESPIRATION			both

CELL PARTS CHART

CELL PART	FUNCTION	DESCRIPTION	LOOKS LIKE	CELL TYPE
Endoplasmic Reticulum		membranes folded into networks of tubes or canals		both
Ribosome		tiny, dark, round may float freely or are attached to ER		both
Golgi bodies	packaging and shipping alters or stores products transported from ER		empty ziplocs	
	traps sun's energy to make glucose (PHOTOSYNTHESIS)	oval-shaped filled with chlorophyll (green pigment)	green jellybeans	
vacuole/ vesicle			small bag but larger in plant cells	both
	breaks down foods and wastes "garbage collectors"	sacs of digestive chemicals or enzymes		both

- use pages 16-24 of your science book to fill in the missing information •