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Cell Doctor for a Day

The setting: Cellular General Hospital, world-famous medical center for cells. Here the staff works tirelessly, night and day, treating cells that suffer from mysterious ailments. Finding the cure to these strange illnesses might baffle ordinary mortals, but the cell doctors keep their cool. They know that each patient is missing a vital organelle. All they must do now is figure out which cell part is lacking.

		Possible Missing	g Organelles			
	Nucleus	Chloroplast	Gytoskeleton'	Golgi Complex		
	Ribosome	Cytoplasm	Lysosome-	Mitochondria -		
	Centrioles	Endoplasmic Reticulum	Cell Membrane	Vacuole		
1.	"No matter what I	eat, I'm malnourished, Doc. I j	ust can't <i>digest</i> anything	g. I absorb food molecules		
	of any size, but the	ey just float around inside me, ar	nd never <i>breakdown.</i> "			
	MISSING ORGAN	ELLE: LYSOSOME		702T		
2.	"Thank goodness yo	ou're here! My organelles keep l	oanging into one another	. I sound like a junk yard,		
	and every time I se	ee one of those Bill Cosby comme	rcials for jell-o, I get v	ery, very thirsty."		
	MISSING ORGAN	ELLE: <u>Cytoplasm</u>	Control of the Contro			
3.	"Doctor, I feel totally run down. I eat plenty of food, and get enough oxygen, but I still have no zip."					
	MISSING ORGAN	ELLE: Mitochono	dria	And the second second		
4.	I'm not living a full life, doctor. I try and try to <i>reproduce</i> , but I just can't divide."					
	MISSING ORGAN	ELLE: <u>centriale</u>	•			
5.	"Doc, I'm complete	Doc, I'm completely out of shape. I can't stand up straight. I'm just a big limp bag of cytoplasm."				
	MISSING ORGANELLE: (Ytoskeleton)					
6.	"I can't seem to ge	"I can't seem to get it together, Doc. Stuff moves in and out of me at will. Last night, some enzymes				
	wandered in and went to town on my nucleus. This morning, my mitochondria tried to run off with my					
	endoplasmic reticu	lum. What's going on?"/				
	MISSING ORGAN	ELLE: ce/ me				
7.	"Doc, I am totally out of control! Things happen inside of me and I just can't seem to figure out					
	what's going on. Help me!" MISSING ORGANELLE: Nucleus					
	MISSING ORGAN	ELLE:				
8.	"Doc, I just can't s	ust lacking in muscle tone,				
	flabby and limp. I	take all kind of amino acid suppl	ements, but just can't so	zem to synthesize any		
	missing organelle: ribosome					
	MISSING ORGAN	ELLE:		- The state of the		
9.	"I work with the ri	bosomes to make proteins, but j	just can't seem to <i>move</i> i	em through my cytoplasm.		
	My proteins just sit around and build up. Help me, Doc. I gotta, move em. "					
	MISSING ORGAN	ELLE: endoplasmi	- rencul	·M		
10.	"I tell you Doc, I a	m thirsty and hungry! I make a	l kinds of water and sto	re all kinds of food, but I		
	come back the nex	t day to find that they're gone.	I need this water and t	his food to live. What can I		
	do?"	1				
	MISSING ORGAN	ELLE: Vacuole				
11.	"I'm having a lot of	trouble <i>packaging proteins</i> and	other materials to build	la membrane. If I don't get		
	hetter Tamagina	to have to call in the Federal Ex	press or JUPS!"			
	MISSING ORGAN	FILE: 6019L	complex			
12.	"Doc I just want t	o be areen again. I've lost all of	f my color. Now instead	of being bright green, I'm		
	just kind of washe	d out and gray. I'm just not, mal	sing any more carbohydr	ates, either."		
MISSING ORGANELLE: CHIOPOPIAST						
	And the second second second second second second second	How many patients	s did you save? ©			