Cell Explorer Video Game

http://www.biomanbio.com/GamesandLabs/Cellgames/CellExplorerAnimalCell.html

Name	Date	Core
As you know, all living things are made of at lead developing a bioweapon (virus) that attacks spin a special Cell Exploration Vehicle (CEV) & so Dr. Vial's evil scheme. Shoot each organelle to about the organelles does not matter.	ecific parts of a cell. Your first mission is to end information back to the Pentagon so the	explore the inside of the cell nat we can find a way to thwart
<u>Directions:</u> 1. Answer all the "Question A's" 2. AFTER YOU FINISH MISSION 1	while you play mission 1. , use what you learned to answer all the	"Question B's"
1. a. What would happen to the cell i	f Dr. Vial's virus destroyed all the Mito	chondria?
b. Name at least 2 organelles der other.	pend on the <u>Mitochondria</u> & describe	how they rely on each
2. a. What would happen to the cell i	f Dr. Vial's virus destroyed the Nucleu	ı <u>s</u> ?
b. What 2 organelles do you think interact?	interact with the Nucleus the most clo	sely? How do they
3. a. What would happen to the cell i	f Dr. Vial's virus destroyed all the Lys e	osomes?
b. Name at least 2 organelles depe	end on <u>Lysosomes</u> & describe how t	hey rely on each other.
4. a. What would happen to the cell i	f Dr. Vial's virus destroyed the Endop l	lasmic Reticulum (ER)?
b. Name at least 2 organelles dep	pend on the ER & describe how they	rely on each other.

5.	a.	What would happen to the cell if Dr. Vial's virus destroyed the Cell Membrane ?
	b.	Which 2 organelles do you think interact with the <u>Cell Membrane</u> most? How do they interact?
6.	a.	What would happen to the cell if Dr. Vial's virus destroyed the Golgi Complexes ?
	b.	Name at least 2 organelles that work closely with the Golgi Complexes & describe how they rely on each other .
7.	a.	What would happen to the cell if Dr. Vial's virus destroyed the Ribosomes ?
	b.	Name at least 2 organelles that work closely with the Ribosomes & describe how they rely on each other.
8.	a.	What does the <u>Cytoskeleton</u> do for the cell?
	b.	What would happen if Dr. Vial's virus destroyed the cell's Cytoskeleton?
9.	a.	What are Vesicles ?
	b.	Name at least 2 parts of the cell that form <u>Vesicles</u> to transport materials around the cell.