Organe	ne Pi	ractice Questions	vame:
			except D) ribosomes E) an endoplasmic reticulum
		volume in animal cells. The most reasonable explain. A) plant cells are capable of having a much higher plant cells have a much more highly convoluted plant cells contain a large vacuole that reduced animal cells are more spherical, whereas plant cells are more spherical.	er surface–to–volume ratio than animal cells. ed (folded) plasma membrane than animal cells. s the volume of the cytoplasm.
		anaerobic bacterium evolved into chloroplasts C) an endosymbiotic fungal cell evolved into the	a larger bacterial host cell to escape toxic oxygen—the
			s? D) centrosomes E) peroxisomes
		 A cell with a predominance of free ribosomes is m A) producing primarily proteins for secretion. B) producing primarily cytoplasmic proteins. C) constructing an extensive cell wall or extrace. D) digesting large food particles. E) enlarging its vacuole. 	
		conclude that	rom the endoplasmic reticulum.
		with very large, complex, and undigested lipids. V condition? A) the endoplasmic reticulum	D) mitochondrion
	8)	C) the lysosome The liver is involved in detoxification of many popularily involved in this process and therefore ab A) rough ER I	E) red blood cells sons and drugs. Which of the following structures is bundant in liver cells? D) nuclear envelope E) transport vesicles

 9)	Which plant cell organelle contains its own DNA and	ribosomes?	
	A) glyoxysome D)	Golgi apparatus	
	B) vacuole E)	peroxisome	
	C) mitochondrion		
10)	The chamical reactions involved in recoirction are vir	tuelly identical between prekaryatic and sukeryatic	
 10)	The chemical reactions involved in respiration are virtually identical between prokaryotic and eukaryotic cells. In eukaryotic cells, ATP is synthesized primarily on the inner membrane of the mitochondria. In light of the endosymbiont theory for the evolutionary origin of mitochondria, where is most ATP synthesis likely to occur in prokaryotic cells?		
	- · · · · · · · · · · · · · · · · · · ·	on the plasma membrane	
		on the inner nuclear envelope	
 11)	system. What eukaryotic organelles or features might endomembrane system?	rotes from a prokaryotic ancestor is the endomembrane have evolved as a part of, or as an elaboration of, the	
		nuclear envelope none of these	
4.0\	,		
 12)	1	endomembrane system?	
	 A) It is a static structure. B) Its structure is not derived from the ER or Golgi. C) It has too many vesicles. D) It is not involved in protein synthesis. E) It is not attached to the outer nuclear envelope. 		
	•		
 13)			
	· · · · · · · · · · · · · · · · · · ·	centrioles and motor proteins	
	B) actin filaments and microtubulesC) actin filaments and ribosomes	actin filaments and motor proteins	
14)	 Vinblastine, a drug that inhibits microtubule polymer cells given vinblastine would be unable to A) form cleavage furrows during cell division. B) migrate by amoeboid movement. C) separate chromosomes during cell division. D) extend pseudopods. E) maintain the shape of the nucleus. 	ization, is used to treat some forms of cancer. Cancer	
15)	Which of the following statements about the cytoskeleton is true?		
	 A) The dynamic aspect of cytoskeletal function is made possible by the assembly and disassembly of large variety of proteins into complex aggregates. B) Microfilaments are structurally rigid and resist compression, whereas microtubules resist tension 		
	(stretching).	otor proteins causing microtubules to move relative	
	to each other. D) Chemicals that block the assembly of the cytoskers that the cytoskers are the cytoskers.	eleton would cause little effect on the cell's response	
	to external signals and stimuli. E) Transport vesicles among the membranes of the	endomembrane system produce the cytoskeleton.	
16)	 Which of these statements about prokaryotes is correct? A) Bacterial cells conjugate to mutually exchange genetic material. B) Their genetic material is confined within vesicles known as plasmids. C) They divide by binary fission, without mitosis or meiosis. D) The persistence of bacteria throughout evolutionary time is due to their genetic homogeneity (in other words company) 		
	words, sameness).		

E) Genetic variation in bacteria is not known to occur, because of their asexual mode of reproduction.