

eExam Question Bank

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<input type="checkbox"/>	Question Type <input type="checkbox"/>	Question <input type="checkbox"/>	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>	Answer <input type="checkbox"/>	Remark <input type="checkbox"/>
<input type="checkbox"/>	FBQ	The lipid bilayers of the cell membrane have very low <input type="text"/> for ions and most polar molecules.	permeability					<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	The cytoskeleton is found underlying the cell membrane in the cytoplasm and provides a <input type="text"/> for membrane proteins to anchor to, as well as forming organelles that extend from the cell.	scaffolding	scaffold				<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	<input type="text"/> are circular pockets that are enclosed by a lipid bilayer.	Lipid vesicles	Liposomes				<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	The cell membrane serves as the attachment surface for the extracellular <input type="text"/> , and cell wall and intracellular cytoskeleton	glycocalyx					<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	With the following proportions of lipids: 3% phosphatidyl-serine, 3% sphingomyelin, 10% cholesterol and 55% phosphatidyl choline. The membrane discussed is <input type="text"/> .	rat liver nuclear membrane					<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	The cell membrane consists of three classes of <input type="text"/>	lipidsamphipathic					<input type="button" value="eExam"/>
<input type="checkbox"/>	FBQ	The <input type="text"/> is an important feature in all cells, especially epithelia with microvilli.	glycocalyx					<input type="button" value="eExam"/>

<input type="checkbox"/>									
<input type="checkbox"/>	FBQ	The <input type="text"/> is an elaboration of the plasma membrane; a sort of rosette of ruffled membrane intruding into the cell. Not all prokaryotic cells have it.	mesosome						eExam
<input type="checkbox"/>	FBQ	Paired cylindrical structures located near the nucleus, which play an important role in cell division are referred to as <input type="text"/>	centrioles						eExam
<input type="checkbox"/>	FBQ	Lipid rafts and caveolae are examples of cholesterol-enriched <input type="text"/> in the cell membrane.	microdomains						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> proteins interact widely with hydrocarbon chains of membrane lipids and can be released by agents that compete for the same nonpolar interactions.	Integral						eExam
<input type="checkbox"/>	FBQ	The <input type="text"/> of a polarized cell is the surface of the plasma membrane that forms its basal and lateral surfaces.	basolateral membrane						eExam
<input type="checkbox"/>	FBQ	The movement of substances across the membrane can be <input type="text"/> , occurring without the input of cellular energy.	passive						eExam
<input type="checkbox"/>	FBQ	Proteins that are transported by the endoplasmic reticulum and from there throughout the cell are marked with an address tag called a <input type="text"/>	signal sequence						eExam
<input type="checkbox"/>	FBQ	The biological membranes can be considered as a two-dimensional liquid where all lipid and protein molecules diffuse more or less easily, according to the <input type="text"/> model	fluid mosaic						eExam

<input type="checkbox"/>								
<input type="checkbox"/>	FBQ	<input type="text"/> membrane has the following mineral composition; 8% Carbohydrate, 43% lipid and 49% protein.	human erythrocyte plasma					eExam
<input type="checkbox"/>	FBQ	Pores and gates are examples of <input type="text"/> —.	transmembrane protein complexes					eExam
<input type="checkbox"/>	FBQ	The molecules of phospholipid in the cell membrane form a <input type="text"/> .	phospholipid bilayer					eExam
<input type="checkbox"/>	FBQ	In gram-negative bacteria, the region outside the plasma membrane but inside the outer membrane is the <input type="text"/> .	periplasm					eExam
<input type="checkbox"/>	FBQ	Crystals of calcium oxalate or silicon dioxide in plants, granules of energy-storage materials such as starch, glycogen, or polyhydroxybutyrate are all <input type="text"/> —.	cytoplasmic inclusions					eExam
<input type="checkbox"/>	FBQ	The <input type="text"/> is a biological membrane that separates the interior of all cells from the outside environment. It is selectively-permeable to ions and organic molecules, and controls the movement of substances in and out of cells.	cell membrane					eExam
<input type="checkbox"/>	FBQ	<input type="text"/> are organelles on which protein synthesis takes place	Ribosomes					eExam
<input type="checkbox"/>	FBQ	<input type="text"/> are specialized lipid-storage cells, which are also found in a range of other cell types.	Adipocytes					eExam
<input type="checkbox"/>	FBQ	Protoplasm is composed of a mixture of small molecules and <input type="text"/>	macromolecules					eExam
<input type="checkbox"/>	FBQ	<input type="text"/> involves the attachment of oligosaccharides.	Glycosylation					eExam

<input type="checkbox"/>									
<input type="checkbox"/>	FBQ	<input type="text"/> inclusions are small particles of insoluble substances suspended in the cytosol.	Cytoplasmic						eExam
<input type="checkbox"/>	FBQ	Correct folding of newly-made proteins is made possible by several <input type="text"/> proteins of the endoplasmic reticulum	chaperone						eExam
<input type="checkbox"/>	FBQ	During gluconeogenesis, the Smooth Endoplasmic Reticulum converts glucose-6-phosphate to <input type="text"/> through the enzyme glucose-6-phosphatase	glucose						eExam
<input type="checkbox"/>	FBQ	The rough appearance of the rough endoplasmic reticulum is as a result of it being studded with <input type="text"/>	protein-manufacturing ribosomes						eExam
<input type="checkbox"/>	FBQ	Within the cells of eukaryote organisms, the contents of the cell nucleus are separated from the cytoplasm, and are then called the <input type="text"/> "	nucleoplasm						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> contain acid hydrolases	Lysosomes						eExam
<input type="checkbox"/>	FBQ	They digest excess or worn-out organelles, food particles, and engulfed viruses or bacteria. They are <input type="text"/> .	Lysosomes and Peroxisomes	Peroxisomes and Lysosomes					eExam
<input type="checkbox"/>	FBQ	A <input type="text"/> is the component of a biological cell that creates proteins from all amino acids and RNA representing the protein	ribosome						eExam
<input type="checkbox"/>	FBQ	In order to modify a macromolecule, cisternae's enzymes need the addition of carbohydrates and <input type="text"/> to properly label each protein for its ultimate destination.	phosphates						eExam

<input type="checkbox"/>									
<input type="checkbox"/>	FBQ	Mitochondria generate the cell's energy by <input type="text"/>	oxidative phosphorylation						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> molecules are used to add amino acids during protein translation.	Transfer RNA	tRNA					eExam
<input type="checkbox"/>	FBQ	Levels of cellular organization together with the resultant tissues-organs-and-systems form the <input type="text"/> process	physiological						eExam
<input type="checkbox"/>	FBQ	A system is an association of <input type="text"/> that have a common function.	organs						eExam
<input type="checkbox"/>	FBQ	A <input type="text"/> is a group of cells that performs a specific function	tissue						eExam
<input type="checkbox"/>	FBQ	Cells are the basic structural and <input type="text"/> units of the organisms body.	functional						eExam
<input type="checkbox"/>	FBQ	Plasma membrane serves as selective <input type="text"/> for the import and export of materials between the cell and its surrounding environment.	barrier						eExam
<input type="checkbox"/>	FBQ	Increased absorption rate of <input type="text"/> by the epithelial cells is possible because of microvilli on the apical surfaces of the epithelial cells.	nutrients						eExam
<input type="checkbox"/>	FBQ	Eukaryotes can move using <input type="text"/>	motile cilia	flagella					eExam
<input type="checkbox"/>	FBQ	The protists and bacteria that live inside the gut of termite and help in digesting its woody diet are referred to as <input type="text"/> .	endosymbionts						eExam
<input type="checkbox"/>	FBQ	The <input type="text"/> is an elaboration of the plasma membrane.	mesosome						eExam

<input type="checkbox"/>									
<input type="checkbox"/>	FBQ	The cytoskeleton provides a scaffolding for membrane <input type="text"/> to anchor to, as well as forming organelles that extend from the cell	proteins						eExam
<input type="checkbox"/>	FBQ	Exocytosis is the process of removing waste materials from <input type="text"/>	cells						eExam
<input type="checkbox"/>	FBQ	Peripheral proteins are proteins that are bounded to the membrane by electrostatic interactions and <input type="text"/> with the hydrophilic phospholipid heads.	hydrogen bonding						eExam
<input type="checkbox"/>	FBQ	A <input type="text"/> is the basic structural and functional units of living things	cell						eExam
<input type="checkbox"/>	FBQ	The cell membrane is selectively <input type="text"/> to ions and organic molecules and controls the movement of substances in and out of cells	Permeable						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> is the science that describes how organisms function and survive in continually changing environments.	Physiology						eExam
<input type="checkbox"/>	FBQ	Homeoviscous adaptation is the ability of some organisms to regulate the fluidity of their cell membranes by altering <input type="text"/> .	lipid composition						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> permeability refers to the ease with which molecules hook unto it	Membrane						eExam
<input type="checkbox"/>	FBQ	<input type="text"/> signal sequence of amino acids directs proteins to the endoplasmic reticulum, which inserts the proteins into a lipid bilayer	N-terminus						eExam

<input type="checkbox"/>								
<input type="checkbox"/>	FBQ	Antigens are present on cell membrane because they are receptors that aid cell to cell <input type="text"/>	communication					eExam
<input type="checkbox"/>	FBQ	Protein within the cell membrane normally transport chemicals and <input type="text"/> across the membrane	information					eExam
<input type="checkbox"/>	FBQ	Liposomes are circular pockets that are enclosed by a <input type="text"/>	lipid bilayer					eExam
<input type="checkbox"/>	FBQ	The diffusion of water across a cell membrane from an area of low solute concentration to an area of high solute concentration is called <input type="text"/>	osmosis					eExam
<input type="checkbox"/>	FBQ	<input type="text"/> is the movement of ions or molecules from regions of higher concentration to regions of lower concentration.	Diffusion					eExam
<input type="checkbox"/>	FBQ	Active transport is the transportation of some molecules through the cell membrane powered by <input type="text"/> from the cell's reserves.	energy					eExam
<input type="checkbox"/>	MCQ	Protein synthesis takes place in the _____.	Cytoplasm	Lysosome	Plasma membrane	Ribosome	D	eExam
<input type="checkbox"/>	MCQ	What is the function of the contractile vacuole?	To function as a nucleus	To store water in the cell	For osmoregulation; to pump water out of the cell if there is too much water	To store food and waste	C	eExam
<input type="checkbox"/>	MCQ	The microtubules of a cell, a key component of the cytoskeleton, is produced by ____.	peroxisome	centrosome	centriole	lysosome	A	eExam
<input type="checkbox"/>	MCQ	How do Mitochondria generate the cell's energy?	By oxidative phosphorylation	By splitting into two	By carboxylation	Through the cytosol	A	eExam
<input type="checkbox"/>	MCQ	Which of the following structures is found only in eukaryotes?	Chloroplasts	Mitochondria	Golgi apparatus	A, B & C	D	eExam
<input type="checkbox"/>	MCQ	The following are theories about the origin of small molecules except ____.	Small molecules were synthesized by lightning in a reducing atmosphere	Small molecules came from meteorites	Small molecules are not divisible	Small molecules were created at deep-sea vents	C	eExam

<input type="checkbox"/>								
<input type="checkbox"/>	MCQ	Prokaryotic cells have no ____ while eukaryotic cells have ____.	nuclei, true nuclei	vacuole, false nuclei	cytosol, vacuole	protoplasm, cytosol	A	eExam
<input type="checkbox"/>	MCQ	Levels of cellular organization together with the resultant tissues-organs-and-systems form the ____ processes.	psychological	biological	physiological	cytological	B	eExam
<input type="checkbox"/>	MCQ	Major systems in the human body include the following except ____.	bone	urinary	digestive	endocrine	A	eExam
<input type="checkbox"/>	MCQ	The following are basic types of tissues in the body except ____.	epithelial	head	nervous	muscle	B	eExam
<input type="checkbox"/>	MCQ	The following are cytoplasmic inclusions except ____.	granules of starch	granules of polyhydroxybutyrate	crystals of silicon dioxide in plants	organelles	D	eExam
<input type="checkbox"/>	MCQ	Cytoplasmic ____ are small particles of insoluble substances suspended in the cytosol.	suspensions	inclusions	projections	adipocytes	B	eExam
<input type="checkbox"/>	MCQ	The smooth endoplasmic reticulum ____ while the Sacroplasmic reticulum stores ____ ions.	pumps calcium; synthesizes	sequesters molecules; and binds	synthesizes molecules; and pumps calcium	produces organelles; and passes	C	eExam
<input type="checkbox"/>	MCQ	Which of the following is a step in gluconeogenesis?	Conversion of glucose-6-phosphate to glucose	Conversion of glucose-3-phosphate to glucose	Conversion of glucose-6-phosphate to fructose	Conversion of glucose-3-phosphate to fructose	A	eExam
<input type="checkbox"/>	MCQ	Depending on the enzymatic needs of a cell, massive changes can occur in the protein content without any noticeable ____ changes.	functional	structural	nuclear	reticular	B	eExam
<input type="checkbox"/>	MCQ	Types of endoplasmic reticulum include ____.	sarcoplasmic reticulum	rough endoplasmic reticulum and smooth endoplasmic reticulum	A & B	short endoplasmic reticulum and sarcoplasmic reticulum	C	eExam
<input type="checkbox"/>	MCQ	"____ paired cylindrical structures located near the nucleus, which play an important role in cell division."	Centrioles	Centrosomes	Cisternae	smooth endoplasmic reticulum	A	eExam
<input type="checkbox"/>	MCQ	Why are ribosomes classified as ribozymes?	Ribosome have ribonucleic acid that reflects the likely evolutionary origin of this organelle.	Ribosomes are classified as ribozymes because ribosomes from bacteria, archaea and eukaryotes have significantly different structures and RNA sequences.	Ribosomes are classified as ribozymes because when a ribosome finishes reading a mRNA, the two subunits split apart	Ribosomes are classified as ribozymes because the ribosomal RNA seems to be most important for the peptidyl transferase activity that links amino acids together	D	eExam

<input type="checkbox"/>								
<input type="checkbox"/>	MCQ	The ___ states that the vesicles fuse to each other at the cis face of the Golgi apparatus and are essentially pushed along as new vesicles fuse together behind them.	cisternal maturation model	membrane-bound model	endomembrane system model	ribosomal model	A	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	The Golgi will use a xylose link to polymerize ___ onto proteins to form ___.	saminoglycans; glycoprotein	proteoglycan; glycosaminoglycans	glycosaminoglycans; proteoglycan	sulfation; proteoglycan	C	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	_____ are flattened stacks of membrane usually found in a series of five to eight in golgi apparatus	Golgi	Cisternae	Lysosomes	Nucleotide sugars	B	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	Which of the following is a similarity between mitochondria and chloroplasts?	Both contain DNA in circular plasmids	Mitochondria and chloroplasts each contain their own genome	The geneone of each organelle is separate and distinct from the nuclear genome of a cell	A, B & C	D	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	The primary function of the golgi apparatus include the following except _____.	creating lysosomes	modifying the proteins that it receives from the rough endoplasmic reticulum	transporting lipids to vital parts of the cell	delivery of nucleotide sugars from the cytosol	D	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	Organelles that are modified chloroplasts are broadly called ____, and are involved in energy storage through photosynthesis.	pits	plastids	plasmas	proteins	B	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	The following are molecules and macromolecular assemblies exported from the nucleus except _____.	transfer RNA molecules	ribosomal subunits	histones	messenger RNA (mRNA) molecules	C	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	Splicing factors are needed to:	turn genes on (and off)	cut out intron regions and splice the exon regions	make the nucleosomes	assemble ribosomes	B	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	Transport through the nuclear pore complexes is active; meaning that it requires _____.	energy	many different carrier molecules	each moleculespecialized to transport a particular cargodocking molecules in the NPC	A, B & C	D	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	The following are correct about ribosomes except _____.	The smaller subunit of the ribosome binds to the mRNA, while the larger subunit binds to the tRNA and the amino acids	Ribosomes are made from complexes of RNAs and proteins	When a ribosome finishes reading a mRNA, these two subunits split apart.	Ribosomes are divided into several subunits	D	<input type="button" value="eExam"/>
<input type="checkbox"/>	MCQ	The following are constituents of cell cytoplasm except _____.	microtubules	cystosol	nucleus	organelles	C	<input type="button" value="eExam"/>

<input type="checkbox"/>								
<input type="checkbox"/>	MCQ	"In the movement of substances across the membrane, the cell is required to expend energy. What type of movement does this refer to?"	Protein	Active	Water	Slow	B	eExam
<input type="checkbox"/>	MCQ	In humans the nuclear genome is divided into 23 _____.	cytogenes	genes	mesosomes	chromosomes	D	eExam
<input type="checkbox"/>	MCQ	The following are component of the eukaryotic cytoskeletons except _____.	intermediate filaments	microtubules	microfilaments	eukaryases	D	eExam
<input type="checkbox"/>	MCQ	Fluid mosaic membrane is another term for _____.	Phospholipid bilayer	Plasma membrane	Semi-permeable membrane	Endomembrane	A	eExam
<input type="checkbox"/>	MCQ	The ____ is a specialized region within the nucleus where ribosome subunits are assembled.	exoskeleton	ribosomes	nucleolus	ribosomal protein	C	eExam
<input type="checkbox"/>	MCQ	Milk sugar is _____.	a plant polysaccharide made up of many glucose molecules	a disaccharide composed of the monosaccharides glucose and fructose	a disaccharide composed of glucose and the monosaccharide galactose	contains 5 or 6 carbon atoms	C	eExam
<input type="checkbox"/>	MCQ	The phospholipic layer is so called because made mostly from a double layer of lipids; _____ and _____ molecules.	hydrophobic grain-like ; hydrophilic	hydrophobic fat-like; hydrophilic phosphorus	hydrophilic fat-like; hydrophobic phosphorus	hydrophobic phosphorous; hydrophilic phosphorus-like	B	eExam
<input type="checkbox"/>	MCQ	Simple diffusion can be accomplished by the passage of solutes through _____ transmembrane proteins called channel proteins.	tunnel-like	pun-like	gun-like	thread-like	A	eExam
<input type="checkbox"/>	MCQ	"In facilitated diffusion, the rate of diffusion across a membrane, from a high concentration to a lower concentration is accelerated by the action membrane _____ called , that act as carrier molecules and aid in diffusion. "	Proteases	Maleases	Premeases	Permeases	D	eExam
<input type="checkbox"/>	MCQ	"During osmosis, the solution that gains water is _____ while the solution that loses the water is _____"	Isotonic; Hypertonic	Hypotonic; Hypertonic	Hypertonic; Hypotonic	Hypotonic; Isotonic	C	eExam

<input type="checkbox"/>	MCQ	How do the length and degree of unsaturation of fatty acid affect cell membrane fluidity?	Unsaturated lipids fatty acids may be saturated or unsaturated, with the configuration of the double bonds nearly always cis, thus decreasing cell membrane fluidity	Unsaturated lipids may be unsaturated, in which case the configuration of the double bonds decreases cell membrane fluidity	Unsaturated lipids create a kink, which prevents the fatty acids from packing together as tightly, thus decreasing the melting temperature of the cell membrane	The entire cell membrane is held together via non-covalent interaction of hydrophobic tails, which decreases its melting temperature.	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	The following are amphipathic lipids except _____.	Phospholipids	Glycolipids	Acids	Cholesterols	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	The following are integral membrane proteins except _____.	desmosomes	cadherins	caveolae	phospholipid	D	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	A human cell has genetic material contained in the ____ and ____ genomes.	chromosomal; mitochondrial	genomic; cytosolic	nuclear; mitochondrial	genomic; nuclear	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	_____ molecules are used to add amino acids during protein translation.	Messenger RNA mRNA	Transfer RNA (tRNA)	Transfer DNA (tDNA)	Messenger DNA (mDNA)	B	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Which of the following molecules would pass through the phospholipid bilayer easily?	Ions	Glucose	Benzene	Sucrose	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Cell membrane has both _____ and _____ portions.	protein and carbohydrate	Carbohydrate and phospholipid	Carbohydrate and fatty acid	protein and phospholipid	D	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Which of the following molecule types would pass through the cell membrane more easily?	Electrically charged, small molecules	Electrically charged, large molecules	Electrically neutral, small molecules	Electrically neutral and large molecules	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Integral membrane protein can be found in the following except _____.	pits	desmosomes	cadherins	integrins	A	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Apical membrane is evidenced in the following polarized cells except ____.	neurons	endothelial cells	epithelial cells	basolateral cells	D	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	The following are correct about the lipid layer of the cell membrane except _____.	Van der Waals, electrostatic, hydrogen bonds, and noncovalent interactions contribute to the formation of the lipid bilayer	The arrangement of hydrophilic heads and hydrophobic tails of the lipid bilayer prevent polar solutes from diffusing across the membrane	Lipid bilayers have very high permeability for ions and most polar molecules.	The arrangement of hydrophilic heads and hydrophobic tails of the lipid bilayer generally allows for the passive diffusion of hydrophobic molecules	C	<input type="checkbox"/> eExam
<input type="checkbox"/>	MCQ	Steroids include the following except _____.	estrogen	progesterone	cholesterol	testosterone	B	<input type="checkbox"/> eExam

<input type="checkbox"/>								
<input type="checkbox"/>	MCQ	The following are correct about lipids of a typical cell except ____.	Lipids form about 3% of the dry mass of a typical cell.	Lipids are composed largely of carbon and hydrogen, and are generally insoluble in water.	Lipids are involved mainly with long-term energy storage.	They function as structural components and as ""messengers"" that play roles in communications within and between cells	A	eExam
<input type="checkbox"/>	MCQ	Major differences between prokaryotic and eucaryotic cells are that:	prokaryotic cells lack a nucleus and membranous organelles while eukaryotic cells contain a membrane-bound nucleus and numerous membrane-enclosed organelles	prokaryotes are enclosed by plasma membranes filled with cytoplasm, while eucaryotes are not	the cytoplasm of eukaryotic cell type is loaded with small structures called ribosomes while that of the prokaryotic cell is not	Archived instructions for operating the cell are carried by the DNA in Eukaryotic cells while in prokaryotic cells, it is carried by the RNA	A	eExam
<input type="checkbox"/>	MCQ	Which of the following may have played a role in the transition from prokaryotes to eukaryotes?	Meiosis	Sex as the stereotyped choreography of meiosis and syngamy	Syngamy	Bigamy	B	eExam
<input type="checkbox"/>	MCQ	Mitochondrial and chloroplast DNA are similar to Prokaryotic DNA in several ways. Which of the following is not correct of these similarities?	In a manner similar to the binary fission of prokaryotic cells, mitochondria and chloroplasts divide	Like prokaryotic DNA, mitochondrial and chloroplast DNA molecules are naked and circular.	Similar to the Prokaryotic, these organelles also have their own population of ribosomes	Mitochondria have their own DNA duplicated in the nucleus	C	eExam
<input type="checkbox"/>	MCQ	Which of the following ascertions is true of water in living organisms?	Water forms about 3% of the dry mass of a typical cell.	Water serves as an excellent solvent and enters into many metabolic reactions.	Most living organisms and cells are composed of 60-90% water	B & C	D	eExam
<input type="checkbox"/>	MCQ	Foreign DNA can be artificially introduced into the cell by a process called ____.	transduction	transfection	transpoon	transport	B	eExam
<input type="checkbox"/>	MCQ	Retroviruses have ____ as their genetic material.	DNA	rDNA	RNA	dRNA	C	eExam
<input type="checkbox"/>	MCQ	Prokaryotic genetic material is organized in a simple circular DNA molecule in the ____ region of the cytoplasm.	nucleoid	membrane	lipid	cartilagenous	A	eExam
<input type="checkbox"/>	MCQ	The DNA of the nucleus with its associated proteins are collectively referred to as ____.	nonhistone	histones	nucleosomes	chromatin	D	eExam

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