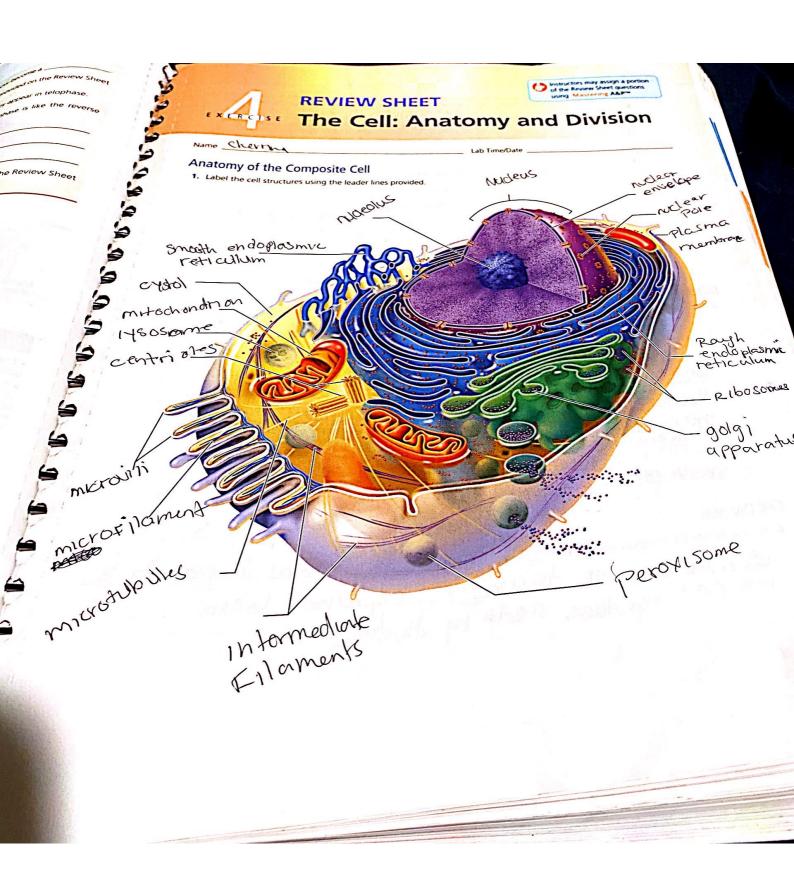


	34 Reviews	ther true or false. If true, write f on the answ of phrase to replace the one that is underlined		toment by
	Sheet 3		4	per state
	3. Each of the fall		a false, correct	ge.
107	Writing on the blank the	ther true or take if turn write from the answ	er blank.	mer the sta
	Special and proper word of	r phrase to replace the one that is underlined	of listing a pour los	
	train grate-Free lens paper	ther true or false. If true, write I on the answer phrase to replace the one that is underlined. The microscope lens may be cleaned with the oil. The microscope should be stored with the oil. Then beginning to focus, use the scanning of the focusing on high power, always use the power of the focusing on high power, always use the powership should always be used with well of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with that ideal of the powership should always be used with the powership	metsion lens in	locus.
	Scanning objective !	and with the oil	article lens	, 10
The state of the s	Jane 1 1	The microscope should be store scanning of	we adjustmen	
	3. W 1 4. WI 5. A co	hen beginning to focus, use the	, coals	1 1
		facing on high power, alway	ounts or describe	
	4. Wi	hen focusing the used will he that ide	coarse adjustment kno	nob
	5. Acc	overslip should alver	coluitarse adjustmen	ь
4.	Match the microscope structures in column B	with the staterre	coarse adjustine condenser condenser fine adjustment kno fine adjustment lever iris diaphragm lever iris diaphragm	
111	Column A	b. c.	fine adjuragm les iris diaphragm	
		rests for viewing d.	mechanice mesepiece nosepiece nosetive lenses	
_	1. platform on which the such	of light passing through e.	noser in lelis	
1	2 used to adjust the amoun	t of light passing through e. f. g.	OCU!	
			stage	1.1
	3. controls the movement of the delivers a concentrated beam 4. delivers a concentrated beam	to the specimen	177	
-	3. controls the	of light to sing has	2 5 6 6 6 6 6	
	4. delivers a concernit	ce initial focusing	+-	
7	' tocusi''			-012
<u> </u>	5. used for precise room been done carries the objective lenses; rota carries the objective lenses can be broug	tes so that the differ	4 50	9 min
1 2 P -	been done been done carries the objective lenses; rota ent objective lenses can be broug ent opjective lenses can be broug	tht into position		15
<u> </u>	6. Carries de lenses Carrier ent objective lenses Carrier		Welve 91	1 cook
	the specimena.	or men	no t	he of tens
5. Define the fo	ollowing terms. The prime of the about the about the specimena. The prime of the about the abo	rens multiplied by to	exects a	810×3/50
resolution: 18	the ability to disc	Malinas	10/13/1	
Separate	ccone			
Objects	Through the Microscope			uido is called
Viewing Objects	Through the Microscope I to, the following statements:	m of the objective lens to the	surface of the	slide is canca
6. Complete, or respond	to, the following sta	m of the objective lens to the		
Lichan	The distance from the bottom			
working distant	ed. The distance			
0	tha	ne left side of the field that yo	want to bring	to the center
	uie	left side of the field that yo	u Wall to bins	
right z	Accume there is an object on the	ne leit side o.		
119/4)	 Assume there is an object on the (that is, toward the apparent right) 	direction would you m	ove your slide?	a May 19
1	(that is toward the apparent right)	. In what direction wears		
× 1	(that is, toward the opp	· · · · · · · · · · · · · · · · · · ·	is the	110
	The area of the slide seen when loo	oking through the microscope	Lugar Bur	
7,0101 3,	The area of the slide seen way		. acou the obi	iactiva lancin
75 x	- 10x ocular lai	as and the total magnification	is $950\times$, the obj	ective iens in
4. 1	f a microscope has a 10× ocular lei			
		4777		
USG	e at that time is X.			
		- 17 TAIL 181		
		//X/19/		
The second secon				

	Pleview Sheet 3	39
To provide more contrast for viewby the cells	- 4-3	
5. Why should the light be dimmed when looking at living (hearly to		er en e
a the action of the time action	atment to focus the san	NO. JOSEPH CO.
at the higher powers, the microscope is said to be	_	
7. You are using a TOX occurar and a TSX objective, and the field	diameter is 1.5 mm, Ti	he ap-
proximate field size with a 30× objective ismm.		
3. If the diameter of the low-power field is 1.5 mm, an object that of	occupies approximately a	a third
of that field has an estimated diameter ofmm.		ega.
You have been asked to prepare a slide with the letter F on it (as shown below). In the circle below-power field.	ow, draw the F as seen	in the
	12	
i seed Hearing Lander and Sugar town		
I show from a little with the first will be a little of the state of t		
8. Estimate the length (longest dimension) of the object in µm:		
Total magnification = 100×		
16.000	7 . n . 1 . 1	1
Length of object = $\frac{1}{2}$ μ m		
a bapying an object in the low-power field. When you switch to high power, it is no lo	onger in your field of v	iew.
Why might this occur? Changing to a high piver long harrows the	re field New	\$ The
doler will be out of fixes, not centered.		
May the win to be the banging Deline changing in	no a hyd	rer
What should you do initially to prevent this from happening? Defore dranging we lens	0	
Musy the hand the single		
0. Do the following factors increase or decrease as one moves to higher magnifications with the mice	roscope:	
resolution: amount of light needed:	086	
	e	
working distance	The instructor, noting	a work-
A student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in position and appears to a student has the high-power lens in the high-powe		
1) I were lances one used a shorter 1	Norlang	
How so? My Mary 1000	U	
ing distance of about 1 cm, knows the student isn't actually seeing the specimen. How so? high power lenses one used a shorter to the specimen. Olstances than 1 cm,		
*		



1. nbosome 2. smooth sp	
t Cure listed on the	
nbosome left with the	he correct description on the right
A 2. smooth ER	a main site of ATP synthesis
B 3. mitochondrion	
J 4. nucleus	sted foreign materials
	encloses the chromatin sac of digestive enzymes d. examples include glycogen granules and ingested foreign materials d. examples include glycogen granules and ingested formation
C S. Golgi apparatus	d. examples include glycogen granules and ingested e. forms basal bodies and helps direct mitotic spindle formation
2 x ysosome	f. site of protein synthesis
?. centriole	f. site of protein synthesis g. forms the external boundary of the cell
8. cytoskeleton	g. forms the external of
9. inclusion	h. site of lipid synthesis
	i. packaging site for ribosomes
Piasma membrane	
Diffe-	 j. packages proteins for transport k. internal cellular network of rodlike structures
Differences and Similarities in Cell Structure that fits the description observed in Activity 5 (assistance)	and blood
that fix the specime	ucture mooth muscle, or human red blood cells)
that fits the description below. 1. Cell Stri	UCTURE uamous epithelium, sperm cells, smooth muscle, or human red blood cells)
Sern	the sales of
	um for movement
3. Sa ua la cells have an elo	ongated shape (tapered at each end)
3. 39 damous Hehum	rigated shape (4)
3. Squamous the human and 12	gether
- Con Stock cells are circular	
The Man a	d flat, with irregular borders
6. Can red block	
	te (without a nucleus)
7. Smooth Muscle longest cell	
Cell Division	
4. What is the function	4 dansion is essential for growth 3
repair protoc cell division? <u>Le</u> The Cell reproduces 14	Lulhan I
repair prototic cell dins	Sion is the period when
The ciall . It	1. 1. 20 1. 1. 1. 20
reproduces Its	self by gluiding.
V	

Interphase 15 the period when the concarries are marked in the phase in activities 3 draws the poly contains and activities 3 draws the poly contains are
metable is De cell carried or not
Interphase is the period when the contains make nucleon the property of chromes 3 grows. The DNA contains and or process of chromes 3 grows. The DNA contains and or process of chromes 3 wishes the nucleon as enveloped.
8. Complete or respond to the following statements:
Division of the is referred to as mitosis. Cytokinesis between chrome. The major structural difference The major structural difference The major structural difference
Division of the is referred to as mitosis. Cytokinesis between chromatin and chromosomes is that the latter undivided structures called4 if a cell undergree its. 1. Cytopla.8m 2. Chromosomes attach to the spindle fibers by sis but not one called4 if a cell undergree its.
undivided structures called sis but not cytokinesis, the product is sa a scaffolding for chromosomal attachment and structure is called the formal structure movement movement and structure movement movem
that acts as a scaffolding for chromosomal attachment and when the cell is not involved in division. These effectives in the control of the c
is the period of cell lie
tions in the body that do not routinely undergo cell division 5. Should be solved in division of the body that do not routinely undergo cell
6. hall
6. Sprender 7. Interplate 8. Sverien mesete
8 SVeriscie
8. Sverier massels. 9. Cardiae muscie
9. Le of protein
9. Plasma cells are key to the immune response because they secrete antibodies. Given that antibodies are made of protein, Which membranes as the secrete antibodies are made of protein, Which membranes as the secrete antibodies are made of protein, The secrete antibodies are made of prot
antibodies. Given that and
Plasma cells are key to the immune response because they secrete and in abundance? Why!
9. Plasma cells are key to the immune response because they secrete antibodies. Given that antibodies are more which membrane-enclosed cell organelle would you expect the plasma cells to have in abundance? Why? Photoses law cells to have in abundance? Why? They are carticularly abundant in cells that syntages law about the cells that syntages l
2 10 - A Cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the parties of the cell organielle would you expect the cell or
Certife They are particularly always and hody. Why?
amount of Problen
Name which organelle you would expect to play the largest role in decompany
Plasma cells are key to the immune response because they secrete antibodies. One which membrane-enclosed cell organelle would you expect the plasma cells to have in abundance? Why? Proposed t
48650 Meg Cause my Degrade Describe where in the cell cycle such a medi-
11. Some antifungal medications work by blocking DNA synthesis in the fungal cell. Describe
11. Some antifungal medications work by blocking DNA synthesis in the fungal cell. Describe where in the cell cycle such a medi-
cation would be to the contraction of the contracti
Thy May OCCUR interpheree, in the Sighese which is
The Man accin interpresent in the office
The state of the s
reponsible for the syntheses of DNA.
exportation of 100 of