

GRADE 9 BIOLOGY

CHAPTER 5: THE FUNDAMENTAL UNIT OF LIFE

WORKSHEET (OBJECTIVE QUESTIONS)

1.	Cell wall is present in	1						
	a. fungal cell	b. bacterial cell	c. animal cell	d. both (a) and (b).				
2.	Carbon dioxide move	es out of the cell by the	e process of					
	a. diffusion	b. osmosis	c. active transport	d. all of these.				
3.	Nucleus is absent in							
	a. Amoeba	b. Paramecium	c. blue green algae	d. Euglena.				
4.	Plasma membrane is	-						
		tein b. chitin and lipid	c. protein and lipid	d. protein and chitin.				
5.	Cell wall is							
	a. impermeable b. semipermeable c. permeable d. none of these.							
6.	6. Plasmolysis occurs when							
	a. plant cell is k	kept in hypotonic solution						
_	b. plant cell is kept in isotonic solution d. animal cell is kept in pure water.							
7.	Cell wall in plant cell	-						
0	a. chitin		c. peptidoglycan	d. hemicelluloses.				
8.		=	the vacuole in plants?	C 11 1' ' '				
	•		• •	process of cell division				
0				gidity and mechanical support				
9.	The cell organelle wh	-	_	lanlaamia matiavilym				
10	a. Tysosome . Which among the fol	b. centrosome c. rib		loplasmic reticulum.				
10	a. Hydra	b. Planaria	c. Chlamydomonas	d Farthwarm				
11	. Viruses lack	U. I faffaffa	c. Chiamyuomonas	d. Lattiiworiii				
11	a. nucleic acid	h protein coat	c. membrane	d. all of these.				
12	. Chromosomes are co	•	c. memorane	d. an or these.				
12	a. DNA		c. RNA	d. both (a) and (b).				
13		•	vered by single membr					
13	a. Lysosome	-		d. Endoplasmic reticulum				
14	•		true regarding cell divi	-				
		=	somes are reduced to ha					
	_		somes are reduced to h					
			somes remain the same					
	_		somes remain the same	,				
	a) i and iv.			i and ii.				
	b) ii. and iv.		d)	iii. and iv.				
15	. The cell organelle wh	nich helps in detoxific	ation of drugs and pois	on is				
	a. Golgi body		c. lysosome					
	b. smooth Endo	plasmic reticulum	d. vacuole.					
16	. Choose the incorrect	statement						
	a. All living org	anisms are composed	of cells					

b. All cells arise from preexisting cells

c. Cell is the basic structural and functional unit of all living organisms

		an exception to c sion which is inv	•	ete formation is				
а	Mitosis	b. Meiosis	c. Amitosis	d. Cytoki	inesis			
a.	WIItOSIS	<i>b.</i> 141010313	c. 7 mintosis	u. Cytoki	mesis			
18. Whic	h one of the fo	llowing statemer	nts about osm	osis is correct?				
		•			tion to a more concentra			
SC	olution through	a semipermeable	e membrane					
	b) The movement of solute molecule from a less concentrated solution to a more concentrate							
		a semipermeable						
	•	-		re concentrated sol	ution to a less concentra			
,		a semipermeable						
	_	•		e concentrated solu	tion to a less concentrate			
		a semipermeabl						
	_	•		ion of lysosome is				
	endoplasmic		b. vacuole	c. Golgi body	d. mitochondria			
		elle seen in proka		5. 201g1 20 2 j				
	mitochondria	-	roplast	c. lysosome	d. ribosome.			
			-	s not made up of co				
	Bacteria	b. Ferr		c. Pea plant	d. Pine			
		ing statements a	_	-	u. I iiic			
i.		lfed by the proce						
ii.	_	ater is removed the	=					
iii.		sted in the food v	•	acuoic				
	_			in the lycocome				
	iv. Food is digested with the help of enzymes in the lysosomea) i and ii.c) ii. and iv.							
,								
,	b) ii. and iii. d) Only ii. hich cell will burst when placed in hypotonic solution?							
	Cheek cell	-	terial cell	c. Yeast cell	d Onion neel cell			
				c. Teast cen	d. Onion peel cell			
		iole of plant cell		a matrix	datromo			
	tonoplast	b. cell	-	c. matrix	d. stroma.			
	•	cell is defined a		C . 1				
	lysis of plasm			tage of protoplasm				
b.	shrinkage of	-	d. none					
	ell organelle w	hich stores starc	•					
26. The c	•							
26. The c a.	smooth endo	plasmic reticului	_	doplasmic reticulu	m			
26. The c a. b.	smooth endo leucoplast	-	d. none o	of these.	m			
26. The c a. b. 27. Diges	smooth endo leucoplast stive enzymes p	oacked in lysosoi	d. none one are synthe	of these. sized by	m			
26. The c a. b. 27. Diges a.	smooth endo leucoplast stive enzymes p smooth endo	packed in lysoson plasmic reticulum	d. none one are synthem	of these. sized by . Golgi body	m			
26. The c a. b. 27. Diges a. b.	smooth endo leucoplast stive enzymes p smooth endo rough endop	oacked in lysosoi plasmic reticului lasmic reticulum	d. none one are synthem	of these. sized by . Golgi body l. lysosome.				
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