Name .			

Test 3

Biology

Chapter 3

Page 1

Multiple Choic	e (2 pts)	S. The process by which large volumes
	em before choosing your answer. k beside the number.	Only one choice is correct. Write the letter of your
	beside the number.	A. pinocytosia
1. Con	rk "cells" were first identified b	
And it could	Schleiden. Hooke.	C. Calvin. Thousand son 2.01 D. Schwann.
2. The	e diffusion of water into a cell b	y osmosis results in a build-up of
	osmotic pressure.	The second of the second secon
В.		C. turgor pressure. D. membrane pressure.
	permeability.	D. memorane pressure.
3. The	e transport of dissolved substance	ees into cells to be used by the cells is
A.	synthesis.	C. digestion.
Jani bua solB.	secretion. * A METROY ISM SITE	D. absorption.
4 Ore	ranisms made up of calls that as	are used in cellular neverther the transport tend
	group together are called	an operate independently but that normally tend
Α.	communal.	C. colonial.
B.		D. complete. The learner of Ell
5. Wh		aracteristic of a prokaryotic cell?
A.	a plasma membrane	C. non-membrane-bound organelles
В.	membrane-bound	D. a nuclear area
ound arganelle	organelles	A a plasma mendining
6. The	e cell theory states that cells are is come from preexisting cells,	
h lle A.	cells are specialized for partic	ular tasks. Having a ten mit somboa A .21
В.	cells form tissues.	si spanoinis
C.	cells are the units that carry o	n the functions of all living things.
D.	the cell is made only by living	g organisms.
7. Chl	oroplasts contain	16. The use of cellular energy to charge
1721217		
A.		D. lyposomes.
В.	grana.	is called the
8. All	of the living material of a cell	is cance the
A.	cytoplasm.	C. protoplasm.
B.	cytoplasmic matrix.	D. cytology.

on to be a fitted a forth meeting and the fitter to the

A cyreplasmin matrix
D. cytology

I. leucoplast

J. lysosome

Chapter 3

		-
Matchin -	12 ats	1
Matching	1000	,

A. autophagy

B. cellulose

Match the term with the appropriate phrase. Write the letter in the blank beside the number. No letter may be used more than once.

C. chloroplast K. mitochondria D. cytoplasm L. phagocytosis E. endoplasmic reticulum M. pinocytosis F. extracellular digestion N. plasmodesmata G. gap junction O. ribosome H. Golgi apparatus - 17. contained in plant cell walls 18. the substance of a cell outside the nucleus 19. folded plasma membrane inside the cell _ 20. center (place) of protein synthesis 21. involved in the processing of substances produced by the cell _ 22. contains protein-digesting enzymes 23. stores starch 24. the engulfing process by which cells take in solids by forming vacuoles 25. tiny passageways between plant cells 35. Identify structure M. (2 pts) Short Answer 1 Read each question entirely. Write your answer in the blank provided. lo. Identify structure B. 26. Robert Hooke called the structures he observed "cells," but what was he actually seeing? 27. How do we describe a solution in which the dissolved substances are in the same concentration as they are in the cell's cytoplasm? 28. What do we call the bursting of blood cells in hypotonic solutions? 29. Much of the process of cellular respiration occurs on the cristae of the . 39. Cytology is the study of cells

30. What kind of solution exists when the substances dissolved outside the

31. The current model for explaining the structure of cell membranes is

cell are more abundant than those in the cytoplasm?

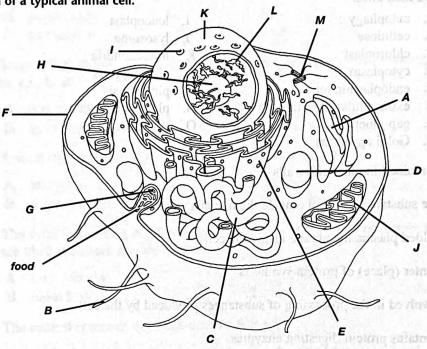
termed the _

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Biology

Short Answer 2 (3pts)

Read each question entirely. Write your answer in the blank provided. The following questions refer to the diagram of a typical animal cell.



- 32. Identify structure E.
- 33. Identify structure J.
- 34. Identify structure A.
- _ 35. Identify structure M.
- Read each question entirely, write your answer in the blank provided _ 36. Identify structure B.
- _ 37. Identify the process occurring at G.

26. Robert Hooker Hooke Colled the structures he observed "osils" but what was

38. Identify structure K (entire structure). ne greaton as they are in the cells cyanisms?

(1pt)

Decide whether each of the following statements is true or false. Write True or False in the blank beside each statement. 29. Much of the process of cellular respiration occurs on the c

- 39. Cytology is the study of cells.
- 40. Some multicellular organisms have tissues that are grouped into organs which are arranged into systems.
- 41. Bacteria do not have membrane-bound nuclei.

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42.	. In passive mediated transport, a substance is helped across a membrane again concentration gradient.	ist the
43.	Rough endoplasmic reticulum has ribosomes attached to it, whereas smooth endoplasmic reticulum does not.	
44.	The Golgi apparatus often processes materials the cell is secreting.	
—— 45.	Turgor pressure involves a build-up of the quantity of water molecules in the contractile vacuole.	£
——(46,	The formation of pseudopodia is the result of rapid formation of microtubule	s.
 47.	The red blood cells in your body are in an isotonic solution.	
——— 48.	The basal body functions to control the movement of cilia and flagella.	
—— 49.	Active transport involves the cell expending energy to digest a substance it hat taken in.	ıs
50.	Proteins embedded in the plasma membrane will give certain characteristics to membrane.	o the
	ver $(oldsymbol{\delta} ho$ $oldsymbol{\delta} ho$ $oldsymbol{\delta}$ f the following questions. In the space provided, answer the question using comp	lete
	the differences between a colony and a tissue.	
market har		4
	 In a first on the state of plant a particular to the state of plants of the state o	ii- y-cri
		7.7
52. Compare	the structures of prokaryotic and eukaryotic cells.	
	here. The manufacture shall problems by the other comments. In:	111
	C anticodors,	
	D messages RNA	

Test 3 B 26 Cell Walls 15 C 27 isotonic 16 D 0 28 (41018515 17B 4 C 29 Mitochandria 18 D 5 B 30 H&Pertonic 19 E 31 fluid Mosoric model 6 C 0 7 B 32 Rough endoplasm: Creticulum 8 C 33 Mitachonaria 22 J 9 A 34 6010ji 60246 23 I 35 centrige 10 1 24 36 Cilia 1/4 37 PhagockTosis 38 nucleus BD 39 True 14 D

11-411

40 True 41 True 72 false 43 True 44 true * True * True 47 true 48 true 49 False 50 true EUkargotic Cells have membrane-bound organelles and their DNA inside a membrane-bound nucleus. Proxargotic Cells don't have any membrane-bound organells and their DNA > 0.54 Staks in a nuclear offen.