CELL BIOLOGY

Name:	KEY	
Date:	-	w Ĉ

Chapter 7 Test: The Cell

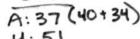


7.1 Life is Cellular (8pt)

- 1. A Aton van Leeuwenhoek
- E Robert Hooke
- C_Matthias Schleiden
- S Theodor Schwann
- 5. Rudolph Virchow
- a) First to find microorgar
- b) Concluded all animals a
- c) Concluded all plants are
 - d) Concluded all cells com
 - e) Coined the term "cells"

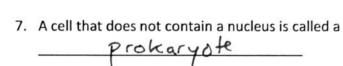
2010

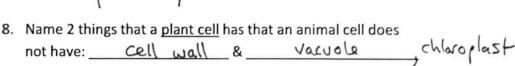
- M: 40
 - H: 46

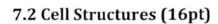


6. According to Cell Theory, all livir 4:51 ____Cells which are

and function. Also new cells alw







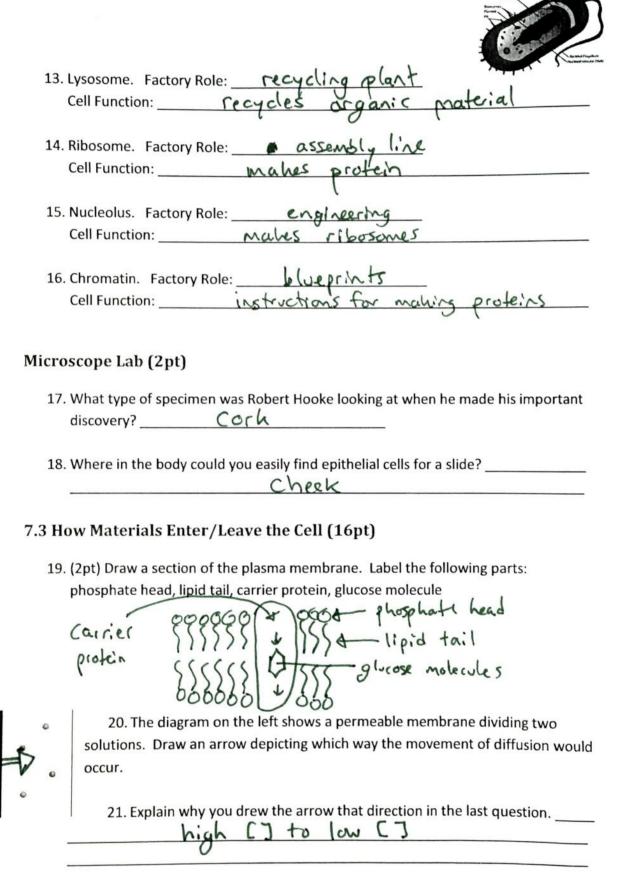
- a) If the organelle would do something in a "factory", what would it do?
- b) Describe its function
 - 9. Mitochondrion. Factory Role: Power Plant

 Cell Function: energy for cell

10. Golgi Apparatus. Factory Role: Pachaging / Shipping Cell Function: Pachages / ships proteirs

11. Chloroplast. Factory Role: Kitche Cell Function: _____

12. Vacuole. Factory Role: Storage Unit Cell Function: Stores



		which of the following mo (not facilitated diffusion):		neutra	
Na ⁺ C ₆ H	H ₁₂ O ₆	C ₈ H ₁₁ NO ₂ (dopamine)	NO ₂ -	(O ₂) CI	NO ₃
H ₂ O SO ₄	4-2	C ₁₇ H ₂₁ NO ₄ (cocaine)	NH ₃	NH ₄ ⁺	H ⁺
23. (2p	_	osmosis. Be exact	semi-per	(high C] + meable m	embrane
		eed in a solution. A few hose point of bursting (which	could happen).		
25. Exp	plain wha	at causes the cell to burst a		he previous q	uestion.
26. Ho	ow does p	lacing salt on a slug cause	it to die?	cells -	causing dead
		essential energy source in	side of the cell	membrane? _	d diffusion
28. Wh	hat proce	ss allows potatoes to keep	o more minerals	inside of the	root compared
to	in the su	rounding soil? A	ctive Ti	ansport	HANE

30. Compare AND contrast pinocytosis and phagocytosis. Enter cell endocytosis

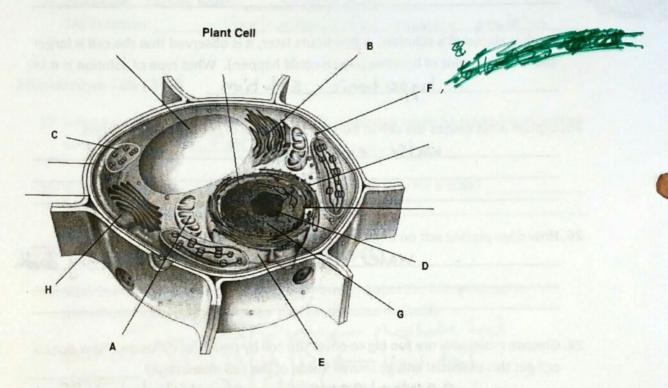
Small large

(light) (501id)

31. Define exocytosis. Purging cell of molecules/materials

exiting cell

Plant Cell Diagram (8pt) - Label the parts below (no abbreviations)



32. A is the mitochondrion (ia)

33. B is the Smooth endoplasmic reticulum (contains enzymes)

34. C is the Chloroplast (green)

35. D is the nucleolus

36. E is the rough endoplasmic reticulum

37. F is the ribosome (dot)

38. G is the nucleus

39. H is the golgi apparatus

EC. The enzyme in our body that speeds CO₂ dissolution is called carbonic anyhdrase.