Name: _	Class:	Date:
Honors	Biology Ch 7 PRACTICE QUIZ	
Multiple Identify th	Choice he choice that best completes the statement or a	answers the question.
1	Who was one of the first people to identify aa. Anton van Leeuwenhoekb. Robert Hooke	and see cork cells? c. Matthias Schleiden d. Rudolf Virchow
2	 Which of the following is NOT a principle of a. Cells are the basic units of life. b. All living things are made of cells. c. Very few cells reproduce. d. All cells are produced by existing cells. 	
3	The cell theory applies to a. bacteria. b. plants and animals.	c. multicellular organisms.d. all of the above
4.	Looking at a cell under a microscope, you not a. The cell lacks cytoplasm. b. The cell lacks a cell membrane.	c. The cell lacks a nucleus.
5.	Which of the following contain a nucleus? a. prokaryotes b. bacteria	c. eukaryotes d. organelles
6.	Eukaryotes usually contain a. a nucleus. b. specialized organelles.	c. genetic material. d. all of the above
7.	Which of the following organisms are proka a. plants b. animals	ryotes? c. bacteria d. all of the above
8.	 Which of the following is a function of the na. stores DNA b. controls most of the cell's processes c. contains the information needed to make d. all of the above 	
9.	Which of the following is NOT found in the a. cytoplasm b. nucleolus	nucleus? c. chromatin d. DNA
10.	 Which of the following statements explains va. a. Only eukaryotes have nuclei. b. Only prokaryotes have nuclei. c. The nucleus contains coded instructions d. The nucleus is surrounded by a nuclear of the nucleus is surrounded. 	for making proteins.

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	_ 11.	Which of the following structures is found	l in the c	eytoplasm?
		a. nucleolus	c.	
		b. ribosome	d.	cell wall
	12.	Which organelle breaks down food into me	olecules	the cell can use?
		a. Golgi apparatus	c.	
		b. lysosome	d.	
	13.	Which structure makes proteins using code	ed instru	actions that come from the nucleus?
		a. Golgi apparatus	c.	
		b. mitochondrion	d.	ribosome
	14.	Which organelle converts the chemical ene	ergy stoi	red in food into compounds that are more convenient fo
		the cell to use?		•
		a. chloroplast	c.	endoplasmic reticulum
		b. Golgi apparatus	d.	mitochondrion
	15.	Which organelles help provide cells with e	nergy?	
		a. mitochondria and chloroplasts	c.	smooth endoplasmic reticulum
		b. rough endoplasmic reticulum	d.	Golgi apparatus and ribosomes
	16.	Which organelle would you expect to find	in plant	cells but not animal cells?
		a. mitochondrion	C.	chloroplast
		b. ribosome	d.	smooth endoplasmic reticulum
	17.	The main function of the cell wall is to		
		a. support and protect the cell.	c.	direct the activities of the cell.
		b. store DNA.	d.	help the cell move.
	18.	Unlike the cell membrane, the cell wall is		
		a. found in all organisms.	c.	a flexible barrier.
		b. composed of a lipid bilayer.	d.	usually made of tough fibers.
	19.	You will NOT find a cell wall in which of t	these kir	nds of organisms?
		a. plants	C.	fungi
		b. animals	d.	all of the above
	20.	Which of the following structures serves as	the cell	's houndary from its environment?
		a. mitochondrion	c.	chloroplast
		b. cell membrane	d.	channel proteins
	21.	Which of the following is a function of the	cell mer	mbrane?
		a. breaks down lipids, carbohydrates, and	protein	s from foods
		b. stores water, salt, proteins, and carbohy	/drates	5 110/1/100d3
		c. keeps the cell wall in place		
		d. regulates which materials enter and lear	ve the c	ell
	22.	The cell membrane contains channels and n	umps th	at help move materials from one side to the other. What
_		are these channels and pumps made of?	po 411	
		a. carbohydrates	c.	bilipids
		b. lipids	d.	proteins

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	23.			
		 a. molecules constantly move and collide with each other. b. the concentration of a solution is never the same throughout a solution. c. the concentration of a solution is always the same throughout a solution. d. molecules never move or collide with each other. 		
	25.	Which means of particle transport requires input of energy from the cell? a. diffusion b. osmosis c. facilitated diffusion d. active transport		
	26.	The diffusion of water across a selectively permeable membrane is called a. osmotic pressure. c. facilitated diffusion. b. osmosis. d. active transport.		
	27.	An animal cell that is surrounded by fresh water will burst because the osmotic pressure causes a. water to move into the cell. b. water to move out of the cell. d. solutes to move out of the cell.		
	ate w	True/False hether the statement is true or false. If false, change the identified word or phrase to make the statement tr If a cell contains a nucleus, it must be a prokaryote.	ue.	
		A B D D D D D D D D D D D D D D D D D D		
		Figure 7–1		
	29.	The cell represented in Figure 7–1 is a <u>eukaryote</u> .		
		Ribosomes stud the surface of <u>rough</u> endoplasmic reticulum. Many membrane proteins are made by the <u>smooth</u> endoplasmic reticulum.		
	- 4.			

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____ 32. The cytoskeleton helps to move organelles within the cell. _____

33. The main function of the <u>cell wall</u> is to provide support and protection.

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34. A red blood cell placed in pure water will shrink.

35. There is a division of labor among the cells of multicellular organisms.

Completion

Complete each statement.

36. According to the cell theory, all cells come from existing ______.

37. In a eukaryote, the material between the cell membrane and the nucleus is called the

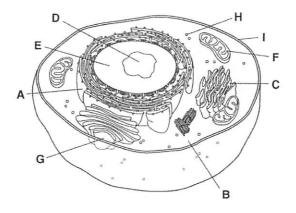


Figure 7-2

38. The material indicated in Figure 7–2 by the letter B is called the ______

39. During cell division, chromatin condenses to form ______, which are threadlike structures containing genetic material.

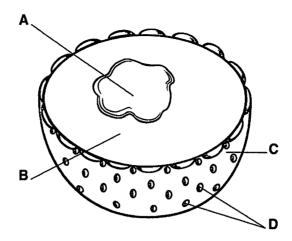


Figure 7-3

- 40. RNA and other molecules leave the nucleus through the structure labeled ______ in Figure 7-3.
- 41. Eukaryotes contain specialized structures that perform important cellular functions. These structures are called ______.
- 42. Unlike smooth endoplasmic reticulum, rough endoplasmic reticulum has ______ attached to it.
- 43. Enzymes in the ______ attach carbohydrates and lipids to proteins.

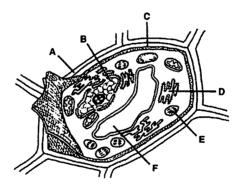


Figure 7-1

- 44. The structure indicated in Figure 7-1 by the letter F is usually larger in _____ cells.
- 45. The cell takes in food and water and eliminates wastes through the ______.
- 46. Molecules tend to move from an area where they are more concentrated to an area where they are less concentrated. This process is called ______.

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	47.	Large molecules such as glucose that cannot cross the lipid bilayer can still move across the member concentration gradient by	orane with a
	48.	The cells in a multicellular organism have specific jobs. This is called cell	