

1	In a nucleotide, the nitrogenous base is attached to the sugar's _____ carbon and the phosphate group is attached to the sugar's _____ carbon.	B. 1' ... 5'
	A. 5' ... 1'	D. 1' ... 3'
	C. 3' ... 1'	
2	Estrogen is	B. fat
	A. terpene	D. phospholipid
	C. steroid	
3	All samples that are studied with a fluorescent microscope must be stained with <u>fluorochromes</u> in order to be visualized.	B. False
	A. True	
4	Homeostasis is a living organism's ability to maintain constant internal conditions even when environmental conditions change.	B. False
	A. True	
5	All the following statements are true regarding the cell theory EXCEPT	

	A. 5' ... 1'	B. 1' ... 5'
	C. 3' ... 1'	D. 1' ... 3'
2	Estrogen is	B. fat
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	A. True	B. False
4	Homeostasis is a living organism's ability to maintain constant internal conditions even when environmental conditions change.	
	A. True	B. False
5	All the following statements are true regarding the cell theory EXCEPT	
	A. All living organisms are made of cells	B. Cells arise spontaneously
	C. Cell is the basic unit of life	D. Cells arise from preexisting cells
6	In the tertiary structure of hair, cross links between the R groups of cysteine are known as	
	A. hydrophilic attractions	B. disulfide bonds
	C. hydrogen bonds	D. ionic bonds
7	The diameter of a typical human cell is approximately	
	A. 30 μm	B. 1-2 mm

All of following amino acids can participate in hydrogen bonding EXCEPT

A. serine

B. aspartic acid

C. threonine

D. valine

11 Denaturation of protein results in

A. disruption of primary structure

B. breakdown of peptide bonds

C. destruction of hydrogen bonds

D. folded protein

12 The lipids that are formed by ester bond between saturated fatty acid and saturated alcohol are

A. triglycerides

B. steroids

C. phospholipids

D. waxes

13 Which is false about bacteria?

A. Capsule and some plasmids enable the bacterium to cause disease

B. Pili can connect bacteria with host cell

C. Plasmids are found in the nucleoid

D. Cell wall of bacteria is composed of peptidoglycan

الصفحة 2 من 7 | الكلمات: 1,936 | العربية (المملكة العربية السعودية)

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SHOT ON POCO X3

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ایجاد هوز	ایجاد هوز	ایجاد هوز	ایجاد هوز
عنوان 1	عنوان 2	عنوان 3	عنوان 4

[illegible]

22 Which of the following is NOT a function of proteins?

A. provide structural components

C. movement of muscles

C. movement of muscles
E. transport substances

Cell size is an important factor in

B. store the genetic information of a living organism

23	E. transport substances through the bloodstream	B. store living or
	Cell size is an important factor in causing a cell to divide because	D. catal
	A. When the cell becomes very large, the ratio of surface area to volume becomes large	
	C. Cell's surf	B. v

B. When the cell becomes very large, the ratio of surface area to volume becomes small

D. Cell's need for materials to be moved across its membrane is reduced

24	Buffer
----	--------

A. donates hydrogen ions to the solution when acid is added

C. minimizes pH change

B. causes an increase in pH when bases are added to solution

C. minimizes changes in the concentrations of H^+ of solution

D. accepts hydrogen ions from the solution when base is added

25 Which is non- branched polymer of α -glucose?
A. Amylose

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C. Glycogen

B. Cellulose	
--------------	--

D. Amylopectin

24

Buffer

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25

Which is non- branched polymer of α -glucose?

A. Amylose

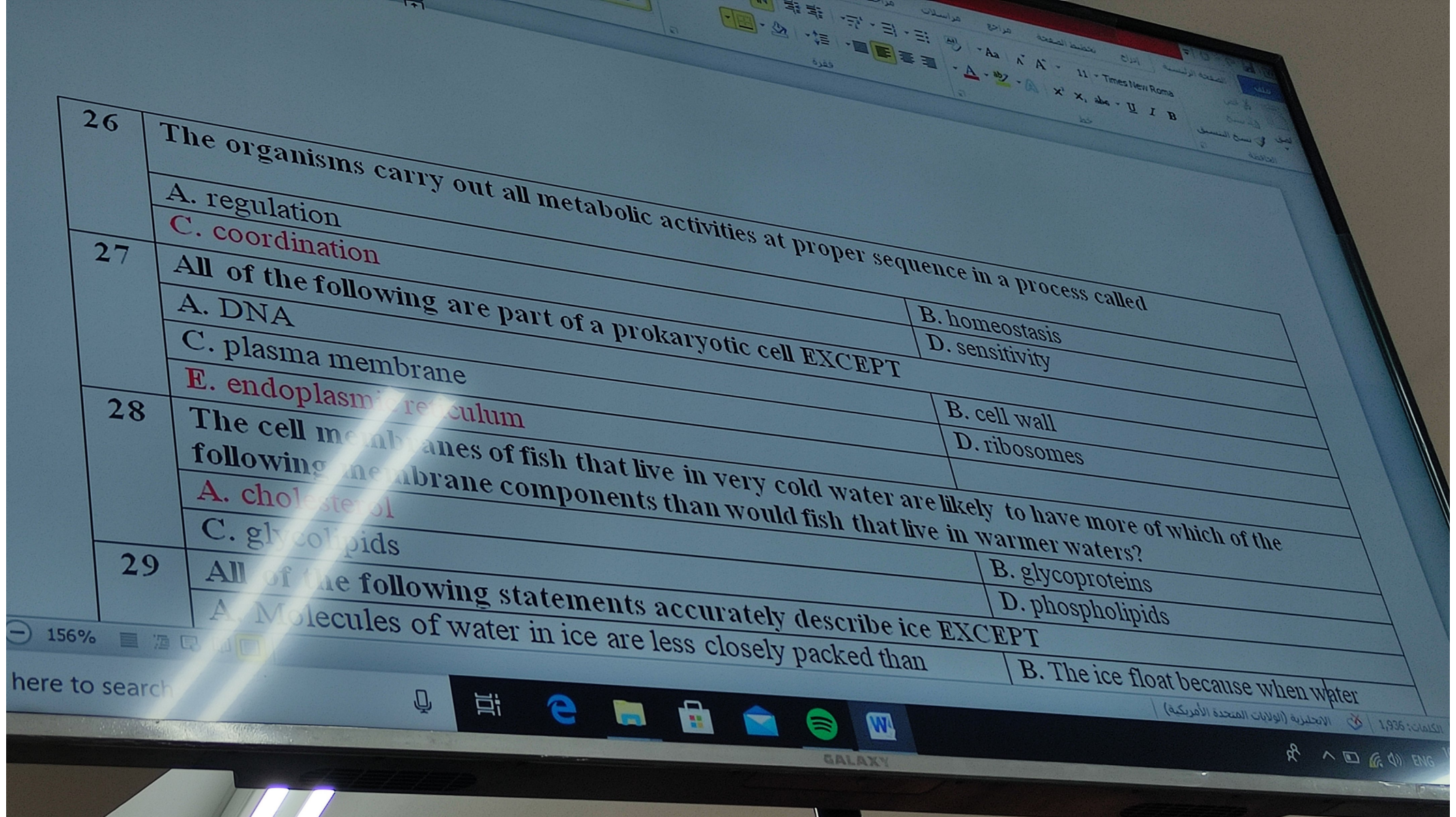
C. Glycogen

B. causes an increase in pH when bases are added to solution

D. accepts hydrogen ions from the solution when base is added

B. Cellulose

D. Amylopectin



26

The organisms carry out all metabolic activities at proper sequence in a process called

- A. regulation
- C. coordination

- B. homeostasis
- D. sensitivity

27

All of the following are part of a prokaryotic cell EXCEPT

- A. DNA
- C. plasma membrane
- E. endoplasmic reticulum

- B. cell wall
- D. ribosomes

28

The cell membranes of fish that live in very cold water are likely to have more of which of the following membrane components than would fish that live in warmer waters?

- A. cholesterol
- C. glycolipids

- B. glycoproteins
- D. phospholipids

29

All of the following statements accurately describe ice EXCEPT

- A. Molecules of water in ice are less closely packed than

- B. The ice float because when water

32

33

34

35

A. Plasma membrane

B. Lysosomes

35	Where does the endoplasmic reticulum send the enzymes to?	A. Plasma membrane	B. Lysosomes
		C. Golgi apparatus	D. Cytoplasm
36	The advantage of light microscopy over electron microscopy is that	A. light microscopy provides for higher magnification than electron microscopy	B. light microscopy provides for higher resolving power than electron microscopy
		C. light microscopy allows one to view living cells	D. light microscopy provides higher contrast than electron microscopy.
37	Which structure is NOT part of the endomembrane system?	A. Nuclear envelope	B. Mitochondria
		C. ER	D. Plasma membrane
		E. Golgi apparatus	

38	A human zygote should have ----- chromosomes.	
	A. 46	
	C. 92	B. 23
	E. 32	D. 64
39	In order for a protein to be an integral membrane protein, it would to be	
	A. hydrophilic	B. hydrophobic
	C. amphipathic	D. completely covered with phospholipids
	E. exposed on only one surface of the membrane	
40	A change in an organism's surroundings that causes it to react is called	
	A. stimulus	B. response
	C. growth	D. energy processing
	E. development	
41	Which cell would be best for studying lysosomes?	

41 Which cell would be best for studying lysosomes?

A. muscle cell

C. phagocytic white blood cell

B. nerve cell

D. bacterial cell

42 Which of the following statements about DNA structure is FALSE?

A. nucleotide consists of a deoxyribose, a phosphate, and a nitrogenous base

B. Guanine consists of two fused rings; cytosine has one ring

C. The "backbone" of DNA consists of alternating sugar and base component

D. The "backbone" of DNA consists of alternating sugar and phosphate groups

43 Which of the microscopes below is usually good for living, unstained specimens?

A. Phase-contrast

B. Fluorescence

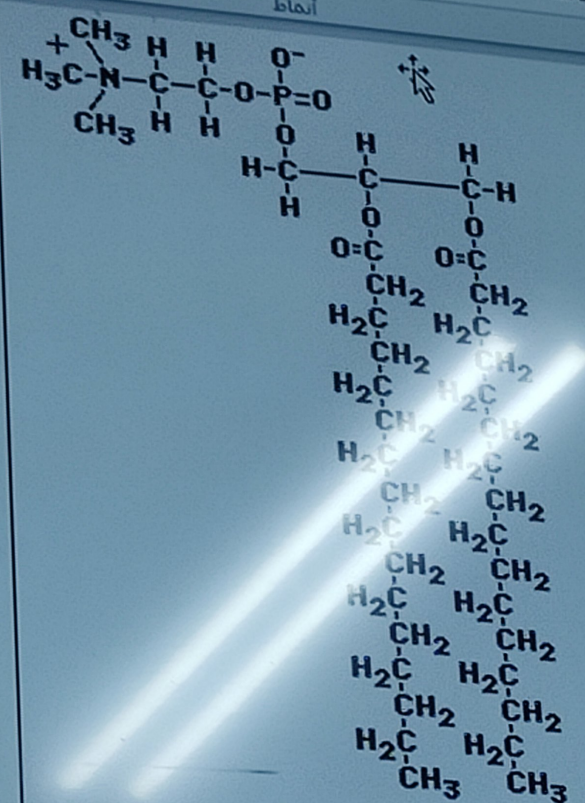
C. Bright-field

D. Scanning electron

E. Transmission electron

44 What type of molecule is shown below?

$$\begin{array}{ccccccc}
 & \text{CH}_3 & \text{H} & \text{H} & \text{O}^- & & \\
 & | & | & | & | & & \\
 \text{H}_3\text{C}-\text{N}^+- & \text{C} & -\text{C} & -\text{O}-\text{P} & =\text{O} & & \\
 & | & | & | & | & & \\
 & \text{CH}_3 & \text{H} & \text{H} & \text{O} & \text{H} & \text{H} \\
 & & & & | & | & | \\
 & & & & \text{H}-\text{C} & -\text{C} & -\text{C}-\text{H} \\
 & & & & | & | & | \\
 & & & & \text{H} & \text{O} & \text{O}
 \end{array}$$



A. Wax

C. Triglyceride

B. Phospholipid

D. Saturated fatty acid

45

Increasing the proportion of saturated fatty acids in a membrane increases membrane fluidity.

A. True

B. False

46 All the following is true about ribosomes EXCEPT

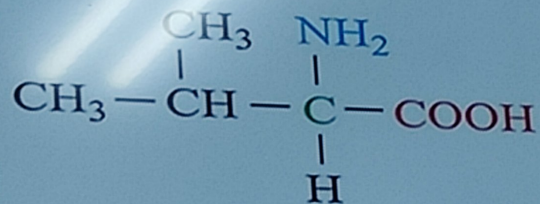
A. The ribosomal subunits are produced in nucleolus

C. Animal cells have 80S ribosomes (large 60S subunits and small 40S subunits)

B. The bacterial cell has 28S rRNA

D. Human cell contains ribosomes more than in bacteria

47 The following structure is



A. leucine

B. valine

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GALAXY

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ENG



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49. All the following statements concerning carbohydrates are true EXCEPT

A. Lactose consists of glucose and galactose

C. The digestion of glucose

C. The digestion of glycogen needs energy and water

B. Starch and glycogen are nutrients for humans

D. Chitin is found in exoskeleton of insects

E. All of these are true

50	Chitin and cellulose are polymers of units linked by β (1 $\rightarrow$ 4) glycosidic bonds.	
	A. True	
51	Which of the following products is not a product of glycolysis?	B. False

A. True

51	Which of the following produces and modifies polysaccharides that will be secreted?	linked by β (1 $\rightarrow$ 4) <u>glycosidic</u> bonds. B. False
	A. Lysosome	
	C. ER	

B. False

A. Lysosome

C. ER

B. Peroxisome

D. Golgi apparatus

52 Where in the cell does new membrane synthesis take place?

A. In the mitochondria

A. In the mitochondria

C. In the endoplasmic reticulum

B. In the Golgi apparatus

D. In the ribosomes

53	_____ is used to study the internal structure of cells and can achieve maximum resolution.	B. In the Golgi apparatus D. In the ribosomes
	A. Dark-field microscope	

A. Dark-field microscope

B. Phase-contrast light microscope

Microsoft Word - midterm of medicine general biology

أدوات الجدول

تخطيط تصميم عرض مراجعة مراسلات مراجع تخطيط الصفحة إدراج الصفحة الرئيسية ملف

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نسخ التنسيق الحافظة

50 Chitin and cellulose are polymers of units linked by β (1 $\rightarrow$ 4) glycosidic bonds.
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A. Dark-field microscope
C. Scanning electron microscope
E. Fluorescence microscope
B. Phase-contrast light microscope
D. Transmission electronic microscope

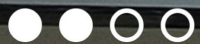
54 Which animal cell organelle contains enzymes that oxidize various toxic molecules?
A. Lysosome
C. Golgi apparatus
B. Glyoxysome
D. Peroxisome

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C. Golgi apparatus

55

Which of the following is false about plasma membrane?

A. Membrane lipids are able to spontaneously move between the outer and inner surfaces.

C. Cholesterol stabilizes the animal cell membrane at higher or lower temperature

D. Peroxisome

B. Membrane proteins attach the membrane to the cytoskeleton

D. Transmembrane proteins can only be found on one side of a membrane.

6

56

A human cell containing 44 autosomes and two X chromosomes is

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تغيير الأنماط

أبجد هوز
تأكيد دقيق

أبجد هوز
عنوان فرعي

أبجد
العنوان

أبجد هوز
عنوان 2

أبجد هوز
عنوان 1

أبجد هوز
9 بلا تباعد

أبجد هوز
9 عادي

أدوات الجدول

تخطيط

تصميم

عرض

مراجعة

مراسلات

مراجع

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56

A human cell containing 44 autosomes and two X chromosomes is

A. a somatic cell of a male

C. a somatic cell of a female

E. a sperm

B. a zygote

D. an egg

57

Which of the following are found in both DNA and RNA?

A. ribose, phosphate groups, and adenine

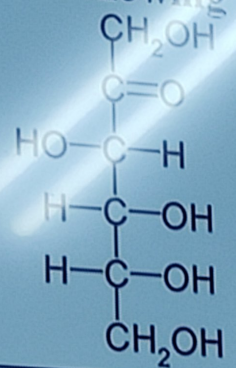
C. phosphate groups, guanine, and cytosine

B. deoxyribose, phosphate groups, and guanine

D. phosphate groups, guanine, and thymine

58

The following structure is



A. glucose

C. fructose

B. ribose

D. aldose

59

Which structure-function pair is mismatched?

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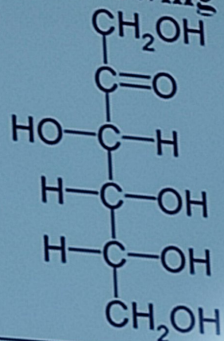
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58

The following structure is



A. glucose

C. fructose

59

Which structure-function pair is mismatched?

A. Peroxisome; detoxification

C. Golgi; protein transport

E. Smooth ER; blood glucose homeostasis

B. ribose

D. aldose

B. Lysosome; digestion

D. Glyoxysome; converts carbohydrates into fats

60

All the following are the membrane bound cell organelles EXCEPT

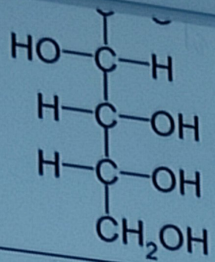
A. Endoplasmic reticulum

C. Ribosome

B. Lysosome

D. Peroxisome





- A. glucose
C. fructose

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C. Golgi; protein transport

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D. aldose

- E. Smooth ER; blood glucose homeostasis

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