

أسئلة مراجعة عامة حول أنظمة الجسم



تم تحميل هذا الملف من موقع المناهج الإماراتية

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تاريخ إضافة الملف على موقع المناهج: 2026-10-18 20:43:56

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل
منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي | للمدرس

المزيد من مادة
علوم:

إعداد: Elhddad Ahmed

التواصل الاجتماعي بحسب الصف السابع



صفحة المناهج
الإماراتية على
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

المزيد من الملفات بحسب الصف السابع والمادة علوم في الفصل الأول

ملخص تعليمي شامل لدرس الوراثة - السابع المتقدم - انسباير

1

اختبار الوحدة الثانية - انسباير

2

اختبار العلوم الوحدة الثانية

3

انسباير - obtaining energy and removing energy

4

شرح وتدريب Organization of Levels - انسباير

5

تحميل تطبيق المناهج للهواتف الذكية

تطبيق المناهج على Play Google (أندرويد)

تطبيق المناهج على Store App (آبل)

18-10-2026

General Review

Unit 1 - Body Systems

Levels of Organization • Structure and Support • Obtaining Energy and Removing Waste • Moving Materials • Control and Information Processing

Name: _____

Class: _____

Date: _____

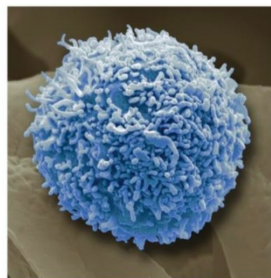
Score: ____ / 40

Instructions: Answer all questions. Read each question carefully and look closely at every image. Part A (20 marks), Part B (10 marks), Part C (10 marks).

Part A: Multiple Choice

Choose the correct answer • 20 marks

1. The image shows a color-enhanced SEM of a single cell from the human body. Which statement about it is correct?



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A) It is a tissue because it is made of many similar cells.

☒ C) It is the basic unit of structure and function in the body.

B) It is an organ because it performs a complex job.

D) It is an organ system that transports materials.

2. The diagram shows a person (an organism) and some of the organ systems that work together in the body. Which sequence lists the levels of organization from simplest to most complex?



A) organ → tissue → cell → organ system → organism

C) cell → organ → tissue → organism → organ system

☒ B) cell → tissue → organ → organ system → organism

D) tissue → cell → organ system → organ → organism

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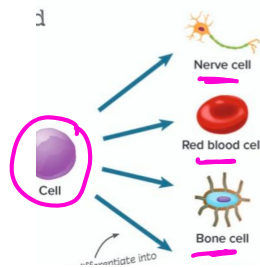
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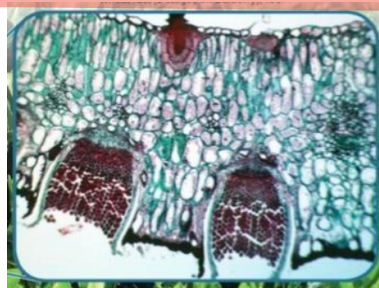
اضمن تفوقك من بداية العام

3. The diagram shows one type of cell developing into nerve, red blood, bone and muscle cells. Which statement best explains why these cells now look different?



- A) They are all made from different kinds of tissues.
 B) They have lost the ability to carry out their jobs.
 C) They are found at different levels of organization.
 D) Each cell became specialized in structure to carry out a specific job.

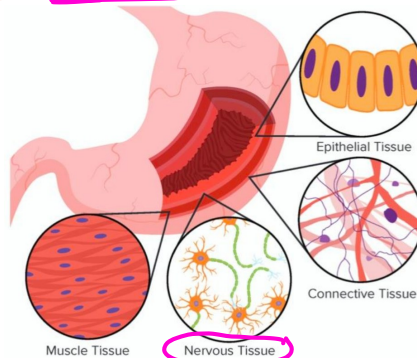
4. The micrograph shows a cross section of a leaf. Why is a leaf classified as an organ?



Combination of different Tissues.

- A) It contains dermal, ground and vascular tissues that work together.
 B) It is made of only one type of cell.
 C) It is a single tissue that carries out photosynthesis.
 D) It is a group of organs that anchors the plant.

5. A patient has a disease that damages the nerve cells in the wall of the stomach. Which job of the stomach would be affected most directly?



- A) Lining the stomach to protect it
 B) Contracting to break up pieces of food
 C) Sending signals that show the stomach is full
 D) Supporting the stomach wall

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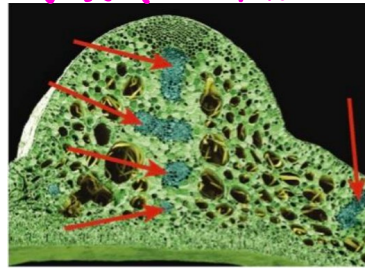
6. Study the two muscle fibers in the diagram. Which statement is supported by the diagram?



- A)** Muscle cells become longer when the muscle contracts.
C) Muscle cells do not change length during movement.

- B)** Muscle cells become shorter when the muscle contracts.
D) Muscle cells are shorter when the muscle relaxes.

7. The arrows in the image point to a tissue in a plant stem. What is the main function of this tissue?



- A)** It makes sugar by photosynthesis.
C) It stores food and gives the plant color.

- B)** It protects the surface and reduces water loss.
D) It transports water and nutrients to other parts of the plant.

8. The model represents a joint that allows bones to move back and forth in a single direction. In which part of the body is this type of joint found?



- A)** Knee
C) Neck

- B)** Hip
D) Shoulder

9. The three plants below have a taproot (left), prop roots (middle) and fibrous roots (right). Which statement about root systems is correct?



- A)** Only plants with a taproot can absorb water.
C) All three root systems anchor the plant and absorb water and other substances.

- B)** Prop roots are used to store food for the plant.
D) Fibrous roots are found only above the ground.

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10. Which organ in the digestive system shown is where most chemical digestion happens and where nutrients enter the blood through villi?



- A) Esophagus
B) Small intestine
C) Large intestine
D) Stomach

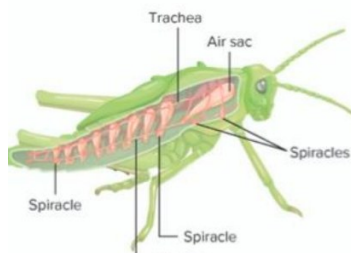
11. The diagram shows peristalsis in the esophagus. What would most likely happen if the muscles in the esophagus wall could not contract?



- A) Food would move into the stomach faster.
B) Villi would absorb nutrients in the esophagus.
C) Saliva would no longer be produced.
D) Food would not be pushed efficiently toward the stomach.

12. The diagram shows the structures involved in respiration of a grasshopper (trachea, air sacs, spiracles). These structures working together are an example of which level of organization?

structures involved in respiration for a grasshopper.



- A) An organ system
B) A tissue
C) A specialized cell
D) An organelle

13. A student squeezes bubble wrap inside a plastic bag and then inside a hard plastic jar. Many more bubbles pop in the bag than in the jar. What can the student infer?

- A) Bones allow the body to move.
B) Bones store calcium and fat.
C) A hard, rigid skeleton protects soft organs from damage.
D) Bones produce red blood cells.

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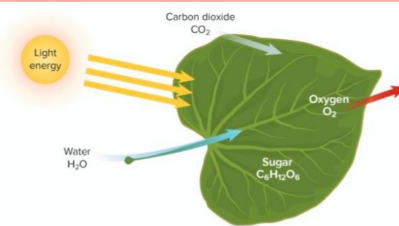
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14. Which row correctly shows the inputs and outputs of photosynthesis shown in the diagram?



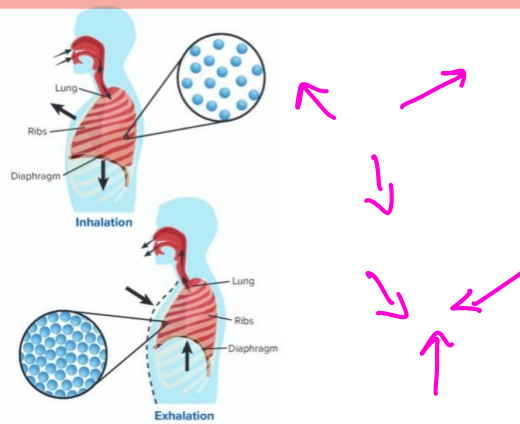
A) Inputs: sugar and oxygen — Outputs: water and carbon dioxide

C) Inputs: oxygen and water — Outputs: sugar and carbon dioxide

B) Inputs: light energy, water and carbon dioxide — Outputs: sugar and oxygen

D) Inputs: light energy and sugar — Outputs: water and oxygen

15. The diagrams show breathing. Which change takes place when a person inhales?



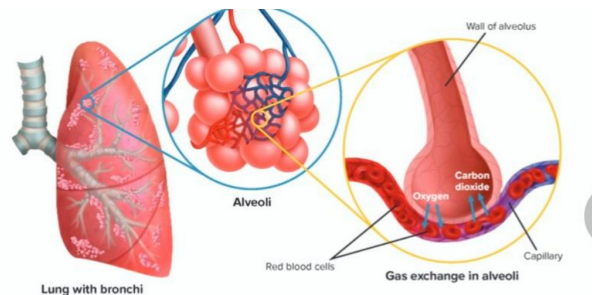
A) The diaphragm contracts and moves down, so air rushes in to equalize the pressure.

C) The lungs contract and push air into the chest.

B) The diaphragm relaxes and moves up, so air rushes into the lungs.

D) The ribs move down, which lowers the volume of the chest.

16. The walls of alveoli are only one cell thick. In a smoker the alveoli walls become thicker and damaged. What is the most likely effect?



A) More oxygen would enter the blood.

C) The bronchi would absorb oxygen instead.

B) Carbon dioxide would be removed faster.

D) Less gas exchange would occur, so less oxygen reaches the blood.

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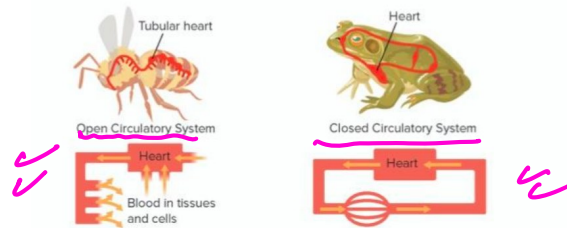
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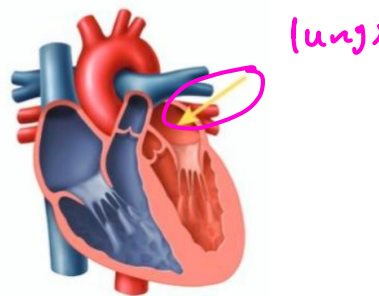
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17. The diagrams compare two types of circulatory systems. Which statement is supported by the diagrams?

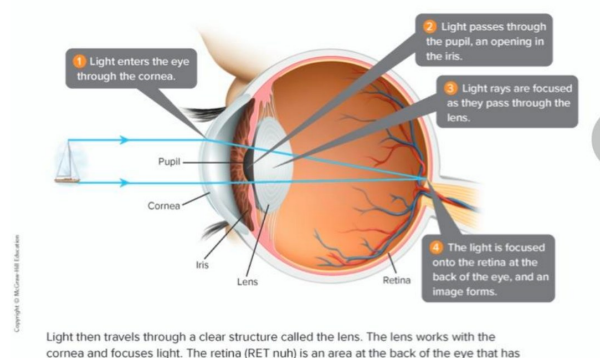
ent animals have different circulatory systems. The type of circulatory system used determines how quickly blood moves through the animal.



- A) In both systems blood flows directly around all organs in open spaces.
 B) The open system moves blood faster than the closed system.
 C) The closed system moves blood faster because blood stays inside vessels.
 D) Only the open system has a heart.
18. The yellow arrow shows blood entering the left atrium after it comes from the lungs. Which best describes this blood?



- A) It is carrying carbon dioxide from body cells.
 B) It is carrying oxygen that it picked up in the lungs.
 C) It is carrying nutrients absorbed in the small intestine.
 D) It is carrying red blood cells that were made in the stomach.
19. A person moves from a dim room into bright sunlight. Using the diagram of the eye, what happens?

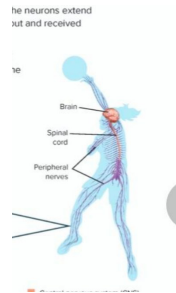


Light then travels through a clear structure called the lens. The lens works with the cornea and focuses light. The retina (RET nuh) is an area at the back of the eye that has

- A) The pupil gets larger because the cornea relaxes.
 B) The pupil gets larger because the lens becomes thinner.
 C) The pupil gets smaller because the retina contracts.
 D) The pupil gets smaller because the iris constricts.

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20. You touch a hot pan and pull your hand away. The diagram shows the central and peripheral nervous systems. Which sequence best shows how information moves?



- A)** Skin receptors → sensory neurons → brain/spinal cord → motor neurons → muscles
- B)** Muscles → motor neurons → brain/spinal cord → sensory neurons → skin receptors
- C)** Brain → skin receptors → muscles → spinal cord
- D)** Skin receptors → muscles → sensory neurons → brain



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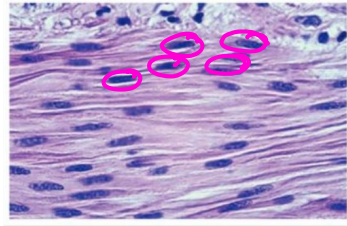


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Part B: True or False

Write (T) or (F) in the brackets • 10 marks

- ✓ 1. The dark spots seen in this micrograph of muscle tissue are the nuclei of muscle cells. (T)



If false, correct it: _____

- ✓ 2. Tissues are groups of different organs that work together to do a specific task. (F)

If false, correct it: opposite because organs are groups of tissues

- ✓ 3. The walls of alveoli are only one cell thick, which helps gas exchange happen at a high rate. (T)

If false, correct it: _____

- ✓ 4. Ligaments connect muscles to bones and make them contract. (F)

If false, correct it: Tendons

- ✓ 5. A pivot joint, such as the one in the neck, allows bones to rotate. (T)

If false, correct it: _____

- ✓ 6. An earthworm is supported by an exoskeleton made of a thick, hard outer covering. (F)

If false, correct it: hydrostatic skeleton

- ✓ 7. Most chemical digestion and nutrient absorption occurs in the large intestine. (F)

If false, correct it: small

- ✓ 8. Xylem is the plant tissue that carries dissolved sugars to all plant cells. (F)

If false, correct it: phloem

- ✓ 9. Animals with a closed circulatory system move blood faster than animals with an open circulatory system. (T)

If false, correct it: _____

- ✓ 10. The brain is active only when a person is awake and conscious; when asleep, it stops working. (F)

If false, correct it: _____

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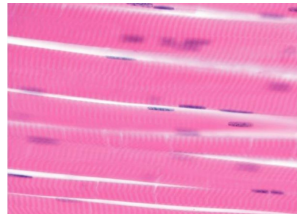
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Part C: Complete

Complete each sentence with the correct scientific term • 10 marks

1. The process by which the first cells made become specialized, such as a muscle, nerve or blood cell, is called cell differentiation.
2. Muscle cells are packed with mitochondria, the main energy producers of the cell, because muscles need a lot of energy.
3. A group of different organs working together to complete a series of tasks is called a(n) organ system.
4. The tiny openings in a leaf that let carbon dioxide, oxygen and water vapor pass in and out are called stomata.
5. Waves of muscle contractions that push food through the esophagus are called peristalsis.
6. A thick, hard outer covering that protects and supports the body of a scorpion or a crab is called a(n) exoskeleton.
7. Gas exchange in the lungs takes place in microscopic air sacs called alveoli.
8. Blood leaves the heart through its two lower chambers, which are called the ventricles.
9. The structures in the sensory system that detect stimuli (such as light, chemicals or pressure) are called receptor.
10. The tissue in this image is skeletal muscle. Because you can consciously control it, it is a(n) voluntary muscle.



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