

تم تحميل هذا الملف من موقع المناهج الإماراتية

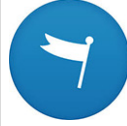


الدليل الإرشادي نموذج تدريبي للامتحان النهائي منهج انسابير متبوع
بالإجابات

[موقع المناهج](#) ⇨ [المناهج الإماراتية](#) ⇨ [الصف الرابع](#) ⇨ [علوم](#) ⇨ [الفصل الثالث](#) ⇨ [الملف](#)

تاريخ إضافة الملف على موقع المناهج: 09:33:10 2024-06-03

التواصل الاجتماعي بحسب الصف الرابع



اضغط هنا للحصول على جميع روابط "الصف الرابع"

روابط مواد الصف الرابع على تلغرام

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[حل تدريبات أسئلة مقالية وموضوعية وفق الهيكل الوزاري منهج بريدج](#)

1

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نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

A Training Model for
The Science Exam
Fourth Grade
Third Semester
2023-2024

نموذج تدريبي لامتحان العلوم
الصف الرابع
الفصل الدراسي الثالث
2024-2023

اسم الطالب Student Name	
الصف Class	4
المدرسة School	
المادة Subject	Science

ملاحظة: هذا النموذج تدريبي لمساعدة الطلاب على فهم طبيعة ونوعية الأسئلة المتوقعة في الاختبار ولا يغني عن المذاكرة من الكتاب المدرسي.

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

الدليل الإرشادي للامتحان Exam Guidelines

ملاحظات Comment	محتوى الامتحان Syllabus	المادة Subject	اليوم والتاريخ Day & Date
<ul style="list-style-type: none">عدد الأسئلة الموضوعية 15 سؤال، كل سؤال 4 درجات.عدد الأسئلة المقالية 5، كل سؤال 8 درجات.طريقة تطبيق الاختبار – ورقي في المدرسة**يرجى العلم أنه قد تظهر الأسئلة بترتيب مختلف في ورقة الامتحان.The number of objective questions is 15, each question worth 4 marks.The number of essay questions is 5, each question is worth 8 marks.How to take the test - paper-based at school**Please note that questions may appear in a different order on the exam paper.	<p>Unit 4: Information Processing and Living Things</p> <p><u>Module 1</u> Lesson 1: Structures and Functions of Plants Lesson 2: Structures and Functions of Animals.</p> <p><u>Module 2</u> Lesson 1: Information Processing in Animals Lesson 2: Role of Animals' Eyes</p>	<p>العلوم Science</p>	<p>يوم الاختبار</p> <p>مدة الاختبار ساعتان، يبدأ من الساعة 9:00 ص – حتى الساعة 11:00 ص</p> <p><u>Test Date and Day</u> Date: 10 June 2024 Day: Monday</p> <p>The duration of the test is two hours, starting from 9-11.</p>

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

IMPORTANT INSTRUCTIONS:

1. Read the paper carefully: Make sure you understand each question before you start answering.
2. Look for key words: Pay attention to important words in the questions that indicate what is being asked.
3. Don't leave any question blank: Attempt every question, even if you are unsure of the answer.
4. Manage your time: Allocate your time wisely to ensure you have enough time to complete all sections of the exam.
5. Write clearly and concisely: Make your answers easy to read and ensure you cover all points required.
6. Review your answers: If time permits, go back and check your answers for any mistakes or missing information.
7. Study diagrams: Make sure to understand and review all important diagrams, as they are a crucial part of the exam.

Good luck!

تعليمات هامة:

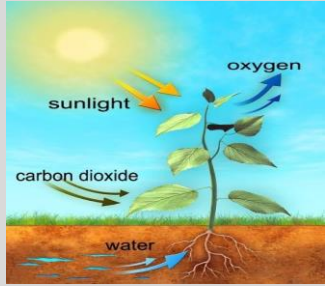
1. اقرأ الورقة الامتحانية بعناية: تأكد من أنك تفهم كل سؤال قبل البدء في الإجابة.
2. ابحث عن الكلمات الرئيسية: انتبه إلى الكلمات المهمة في الأسئلة التي تشير إلى ما يتم طرحه.
3. لا تترك أي سؤال فارغاً: جرب كل سؤال، حتى لو لم تكن متأكدًا من الإجابة.
4. إدارة وقتك: خصص وقتك بحكمة للتأكد من أن لديك الوقت الكافي لإكمال جميع أقسام الاختبار.
5. اكتب بوضوح وإيجاز: اجعل إجاباتك سهلة القراءة وتأكد من تغطية جميع النقاط المطلوبة.
6. راجع إجاباتك: إذا سمح الوقت، ارجع وتحقق من إجاباتك بحثًا عن أي أخطاء أو معلومات مفقودة.
7. الرسوم البيانية للدراسة: تأكد من فهم ومراجعة جميع الرسوم البيانية الهامة، لأنها جزء مهم من الامتحان.


بالتوفيق!

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Question السؤال	**نواتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
1	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce		U4M1L1 page 10


Q1 (Recall)	Which of the following <u>plant structures</u> allows <u>gases to move in and out</u> of the plant?
A	The Stomata
B	The roots
C	The Flowers
D	The Seeds

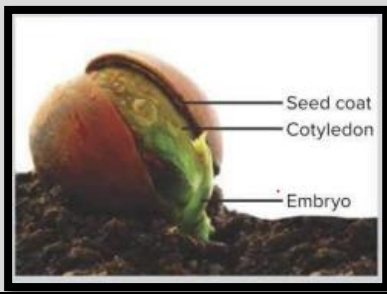
Q1 (Apply)	Observe the given picture and <u>choose the gas</u> that is used to <u>make food</u> by the plants.	
A	Oxygen	
B	Carbon dioxide	
C	Nitrogen	
D	Sunlight	

Q1 (Evaluate)	Predict the <u>need of a plant</u> that is missing in the picture.	
A	Gases	
B	Sunlight	
C	Nutrients	
D	Energy	

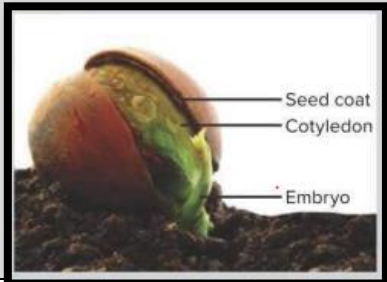
نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
2	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce.	figure	U4M1L1 page 15

Q2 (Recall)	Which of the following correctly identifies <u>part 'A'</u> ? 
A	seed coat
B	cotyledon
C	embryo
D	fruit

Q2 (Apply)	Look at the seed diagram below and identify the part that acts like a <u>shield</u> for the <u>baby</u> <u>plant</u> . 
A	seed coat
B	cotyledon
C	embryo
D	fruit

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q2 (Evaluate)	A gardener finds a seed and wants to know if it is healthy, which part of the seed should he check to ensure it has enough <u>food for the baby plant</u> to start growing?
	
A	seed coat
B	cotyledon
C	embryo
D	fruit

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
3	4-LS1-1 Students will construct an argument to explain how animals use their structures to survive, grow, and reproduce.		U4M1L2 page 33


Q3. (Recall)	Which of the following is an <u>INTERNAL STRUCTURE</u> in animals?
A	skin
B	hair
C	fur
D	lungs


Q3. (Apply)	Why do birds have <u>beaks</u> instead of teeth?
A	to communicate with other birds.
B	to attract other birds.
C	to help them fly.
D	to eat and gather food

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023


Q3. (Evaluate)	Why is it important for animals to have both internal and external structures ?
A	to look different.
B	to help them blend in with their environment.
C	to ensure their survival and ability to perform essential functions.
D	to attract other animals.

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
4	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.		U4M2L2 page 79

Q4.	Which property of light does the picture represent?
	
A	Refraction
B	Absorption
C	Reflection
D	Translucent

Q4.	Which type of lens is thicker in the middle?
	
A	Concave lens
B	Convex lens
C	Image
D	Flat lens

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q4.	Which type of <u>lens</u> is used for people who are nearsighted?
	
A	Convex lens
B	Flat lens
C	Concave lens
D	Image

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
5	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce.		U4M1L1 page 15

Q5. (Recall)	As a seed develops, the <u>ovary</u> of the flower enlarges to become which part of the plant?
A	seed coat
B	fruit
C	cotyledon
D	roots

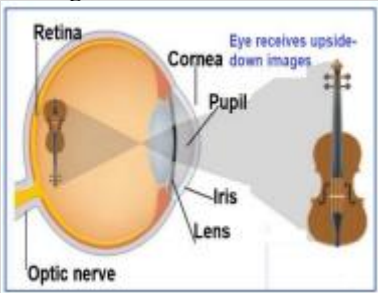
Q5. (Apply)	Why do <u>fruits</u> appeal to animals?
A	because animals need to protect the seeds.
B	because the fruits help animals find water.
C	because the fruits are designed to be eaten by animals, which then spread the seeds in their droppings.
D	because the fruit provide shelter for animals.

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q5. (Evaluate)	If the <u>seed coat is damaged</u>, what could happen to the seed?
A	the seed might not be able to store enough food.
B	the baby plant might not be protected from the harm.
C	the seed might not contain a baby plant.
D	the seed might not be able to absorb water properly.

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
6	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.		U4M2L2 page 80

Q6 recall	Which structure is at the <u>back of the human eye</u> where light through the lens is focused?
A	cornea
B	pupil
C	Retina
D	Rod

Q6 apply	The figure below shows the human eye. Which of following is <u>the correct path</u> that light passes through?
	
A	Cornea – Pupil - Lens – Retina
B	Pupil – Cornea – Lens – Retina
C	Pupil – Cornea – retain – Lens
D	Cornea – Pupil – Retina – Lens

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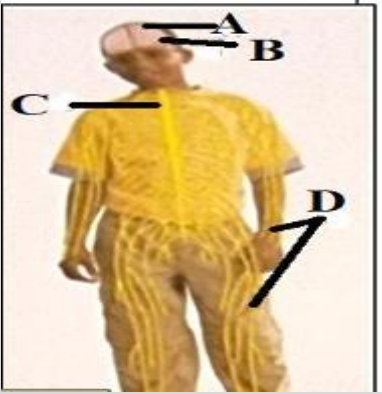
Q6 evaluate	Farrah <u>injured</u> one of her eyes while playing in a sand box. Since her injury, her vision is very <u>blurry</u> . Which statement possibly explains why the blurriness is occurring?
A	Her eye is not focusing light properly.
B	Her eye is absorbing too much light.
C	Her eye is reflecting too much light.
D	Her eye is blocking some light

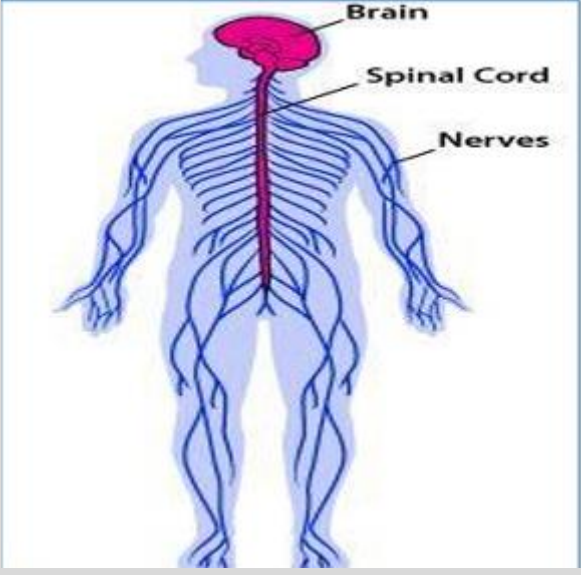
Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
7	4-PS3-2 Students will use a model to explain how animals sense and interpret their environment.	Figure page 63	U4M2L1 page 63

Q7.	Which of the following is NOT a <u>sense</u> animals use to survive in their environment?
A	Smelling
B	Movement
C	Hearing
D	Taste
Q7.	Which of the following is a <u>sense</u> animals use to survive in their environment?
A	Sleeping
B	Movement
C	Growing
D	Vision
Q7.	Which of the following animals can't use the <u>Echoes</u> ?
A	Whales
B	Snakes
C	Dolphins
D	Bats

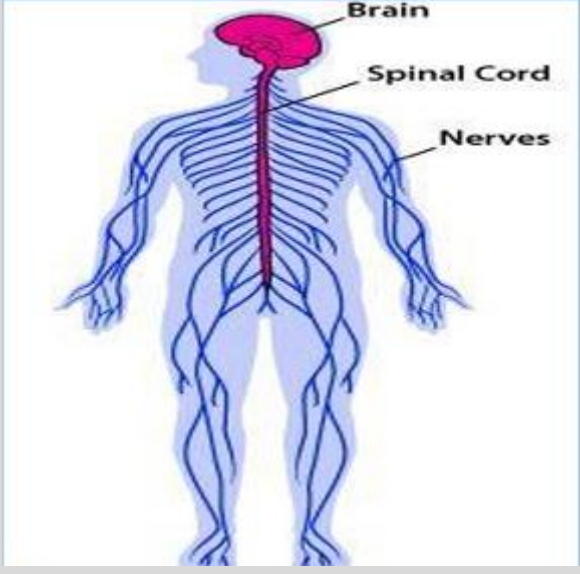
Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
8	4-PS3-2 Students will use a model to explain how animals sense and interpret their environment.		U4M2L1 page 64

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

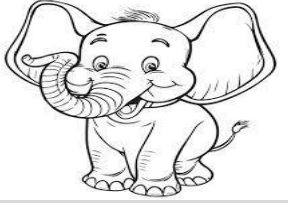
<p>Q 8</p>	<p>In this image which letters represent the organ that is responsible for reflex in the body?</p> 
<p>A</p>	<p>A</p>
<p>B</p>	<p>B</p>
<p>C</p>	<p>C</p>
<p>D</p>	<p>D</p>

<p>Q 8</p>	<p>Which part is a thick band of nerves inside the spine?</p> 
<p>A</p>	<p>Spinal cord.</p>
<p>B</p>	<p>Peripheral nerve</p>
<p>C</p>	<p>Brain</p>
<p>D</p>	<p>Nerves</p>





نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023


Q 8	The Spinal cord is part of which system? 
A	Circulatory system.
B	Central nervous system
C	Peripheral nervous system
D	Digestive system

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
9	4-PS3-2 Students will use a model to explain how animals' sense and interpret their environment.		U4M2L1 page 62

Q9.	 The sense that an elephant has is.....
A	Small by antennae
B	Taste by feet
C	Have biggest ears
D	Have largest eyes

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

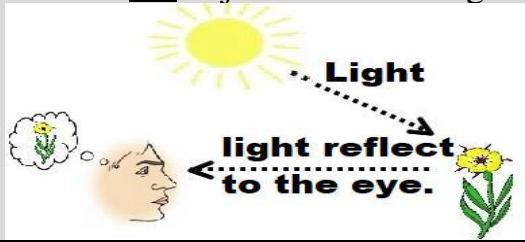
Q9	Put the correct answer for this animal sense (Small by antennae)
A	
B	
C	
D	

Q9.	What do <u>butterflies</u> use to test leaves <u>before</u> laying their eggs?
	
A	The feet
B	The nose
C	The antenna
D	The wing

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
10	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.		U4M2L2 page 78

Q10.	Join the passion of eye to the kind of animals. (Eyes can <u>see</u> in the <u>dark</u>)
A	Frog
B	Owl
C	Eagle
D	Pray

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q10.	We can see objects when the light from it to <u>our eyes</u> : 
A	Refract
B	Reflect
C	Passing.
D	Blocked

Q10.	A “ <u>picture</u> ” that light rays make by bouncing off objects:
A	Image
B	Refraction
C	Sound
D	Light

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
11	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.		74U4M2L2 page 83

Q11.	Join the <u>position</u> of eye to the kind of animal (<u>Flies & Bees</u>).
A	Eyes on front of their head
B	Eyes can see in the dark
C	Have compound eyes
D	Eyes on side of their head

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023



Q11.	Which of the following best describe why prey have eyes on the side of <u>their head</u>
A	To see danger coming from the side
B	To see how far away something
C	To see movement underwater
D	All the answers are correct

Q11.	All <u>insects</u> have compound eyes. Each eye has thousands of lenses to detect danger coming from
A	One side
B	All direction
C	It doesn't see
D	Two sides

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
12	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce		U4M1L1 page 10

Q12.	Which organism gets <u>energy</u> directly from <u>the Sun</u>?
A	Owl
B	Trees
C	Bees
D	Bear

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q12.	Examine the pictures and find out the plant that need <u>less sunlight</u> to survive.		
		A- Palm Tree	B- Mosses, Ferns
A	A		
B	B		
C	Both A and B		
D	Neither A or B		



Q12.	Where do <u>plants</u> obtain <u>energy</u> to live and grow?
A	From the soil they live in.
B	From oxygen in the air.
C	From the food they make /produce
D	From the roots.

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
13	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce.	Figure page 10	U4M1L1 page 10

Q13.	<u>Plants</u> obtain the <u>nutrients</u> dissolved in water by _____
A	Stem
B	Leaves
C	Flowers
D	Roots

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q13.	Plants use their _____ to gather <u>sunlight</u> and make food.
A	Roots
B	Stem
C	Leaves
D	Flowers

Q13.	Analyze the following pictures and predict the plants that have a <u>harder time</u> getting the <u>things they need</u>.
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>A</p> </div> <div style="text-align: center;">  <p>B</p> </div> </div>
A	A
B	B
C	A and B
D	Neither A or B

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
14	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce		U4M1L1 page 16

Q14. (Recall)	An Is a <u>physical trait</u> or <u>behavior</u> that helps an organism <u>survive</u> in its environment.
A	camouflage
B	adaptation
C	mimicry
D	tropism

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q14. (Apply)	<u>Orchids</u> have <u>aerial roots</u> and <u>drip tip leaves</u>. How do these adaptations help orchids survive in their environment?
A	to float on water and store food.
B	to attract animals and insects.
C	to absorb sunlight
D	to climb trees and drain excess water

Q14. (Evaluate)	Which is an <u>adaptation</u> used by <u>cactus plant</u> to survive in a hot, dry environment?
A	thick stems to hold water.
B	deep roots to soak up the rain.
C	flat surface that faces the sun.
D	white thorns to attract animals

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
15	4-LS1-1 Students will construct an argument to explain how animals use their structures to survive, grow, and reproduce		U4M1L2 page 33

Q15. (Recall)	What body part does a fish use to take in oxygen from the water?
A	eyes
B	tail
C	fins
D	gills

Q15. (Apply)	How does a shark's teeth help it obtain food?
A	by flying in the air.
B	by using its fins to swim.
C	by using its teeth to catch prey.
D	by swinging from tree to tree.

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Q15. (Evaluate)	What is the primary function of orangutan's ability to swing from tree to tree?
A	to build nest.
B	to find food and shelter.
C	to swim in water.
D	to hibernate during winter.

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
16	4-LS1-1 Students will construct an argument to explain how animals use their structures to survive, grow, and reproduce.	Figure page 29	U4M1L1 page 29

Q16. (Recall) The figure below shows the structure of a Western Fence lizard.

1. Label the structure with the letter:

A. _____ (2)

B. _____ (2)

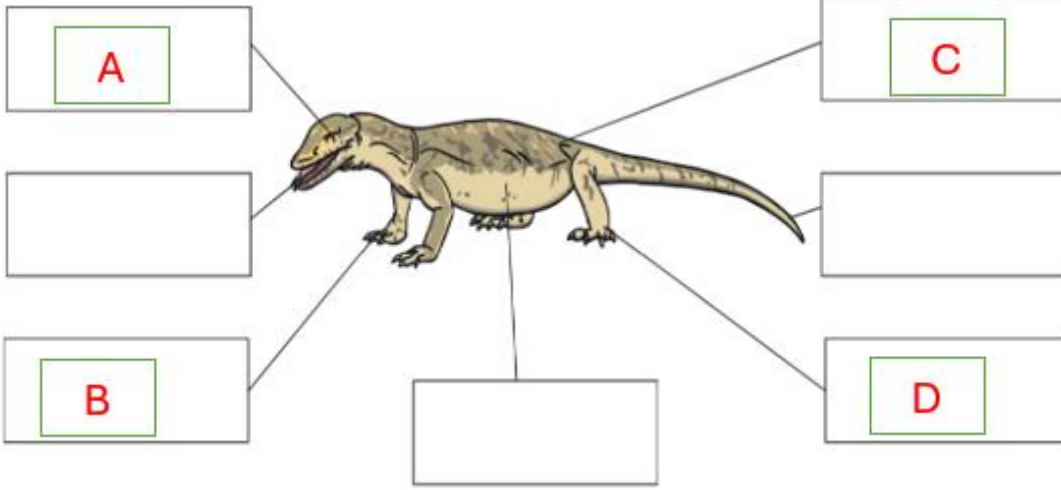
C. _____ (2)

D. _____ (2)

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Q16.
(Analyse)

The figure below shows the body parts of a Western Fence lizard.



1. In the table label the structure and its possible function.

Structure	Possible function
A.	
B.	
C.	
D.	

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Q16.
(Evaluate)

The figure below shows a Western Fence lizard and a polar bear.



1. They both have similar structures for support and protection.

A. What are the structures?

2. What are their eyes, mouth, tongue, and nose are called?

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Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
17	4-LS1-1 Students will construct an argument to explain how plants use their structures to survive, grow and reproduce.		U4M1L1 page 12

Q17.

(Recall)

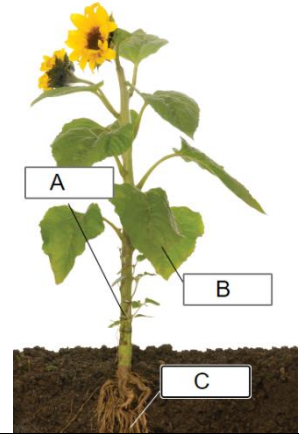
The adjacent figure shows the sunflower plant parts.

Label the sunflower plant parts.

A. _____ (2)

B. _____ (3)

C. _____ (3)



Q17.

(Analyse)

The adjacent figure shows the sunflower plant parts.

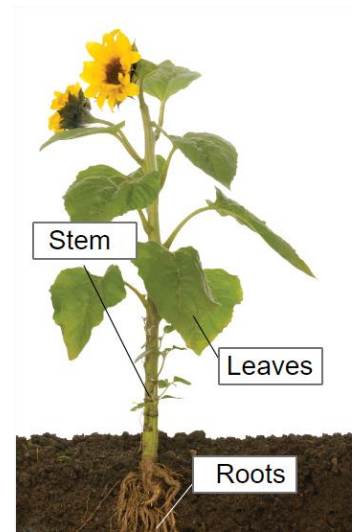
1. What are the main structures of most plants?

2. Describe the function of the plant parts labelled.

A. _____ (2)

B. _____ (2)

C. _____ (2)



نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q17.
(Evaluate)

The adjacent figure shows the sunflower plant parts.

1. Which letter takes in water and dissolved nutrients from the soil?

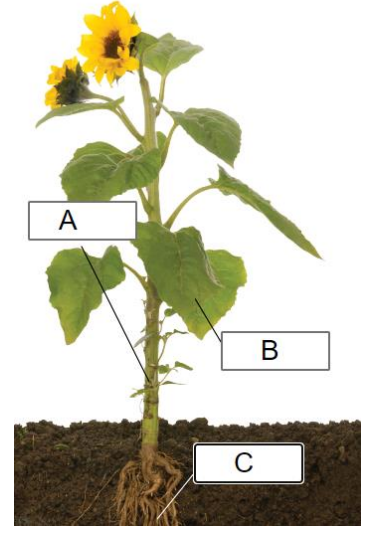
_____ (2)

2. Label letter A.

_____ (2)

3. The plant releases water vapor through the small openings in the underside of leaves.

This process is called _____ (3)



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Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
18	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.	Figure page 81	U4M2L2 page 81

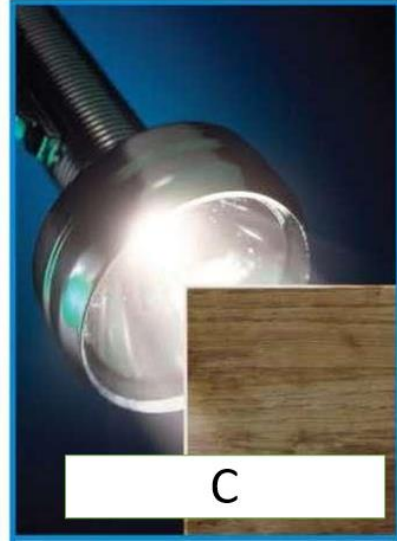
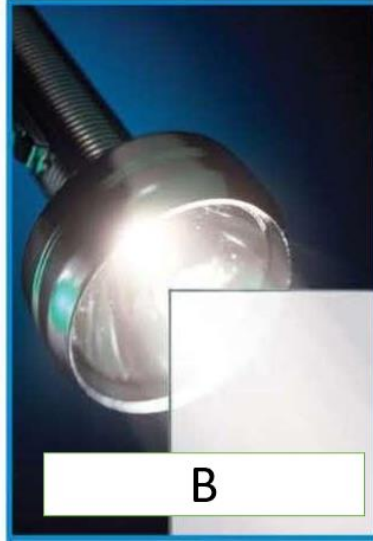
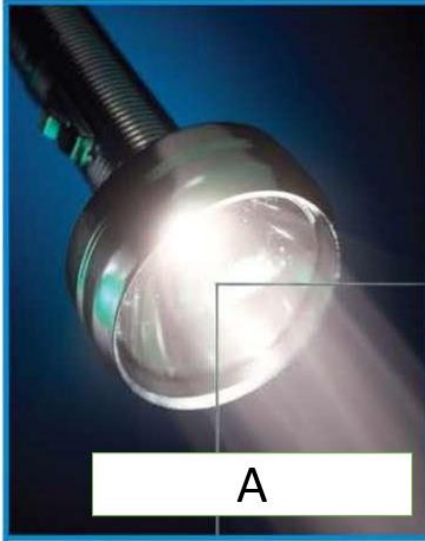
Q18. recall

Fill in the words to label:

A _____ (2)

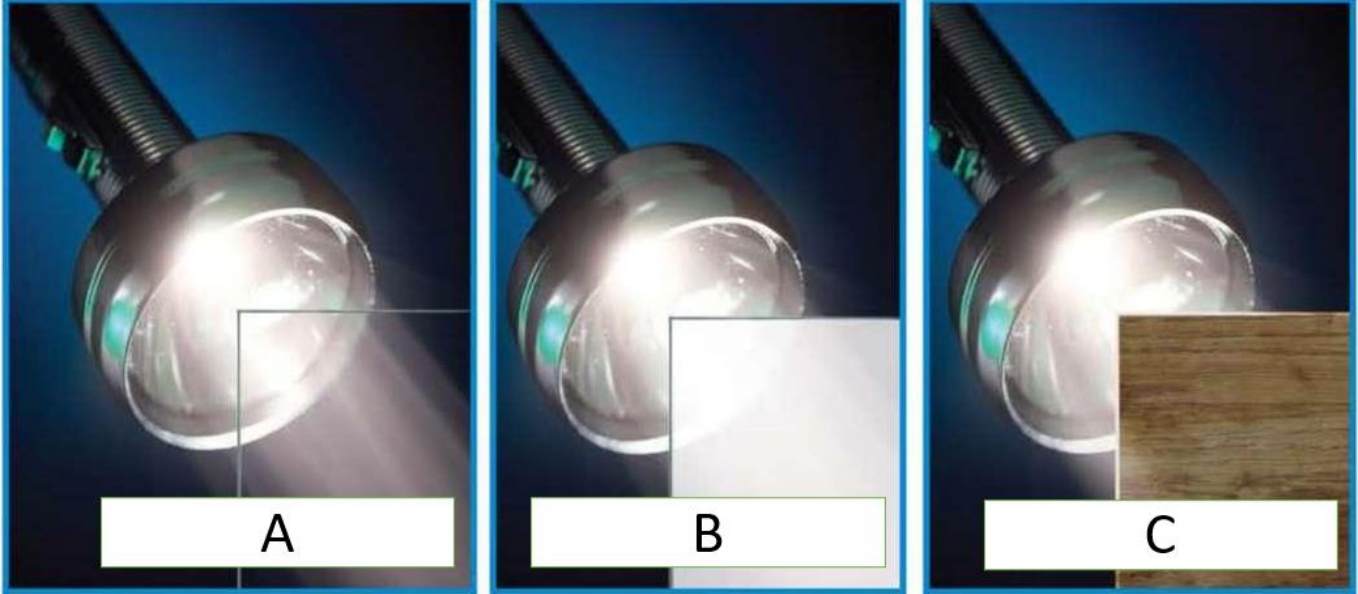
B _____ (3)

C _____ (3)



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Q18. apply



18.1 List 2 materials that are transparent _____

18.2 List 2 materials that are translucent _____

18.2 List 2 materials that are opaque _____

18.4 What type of material is C made of? Circle the correct response.

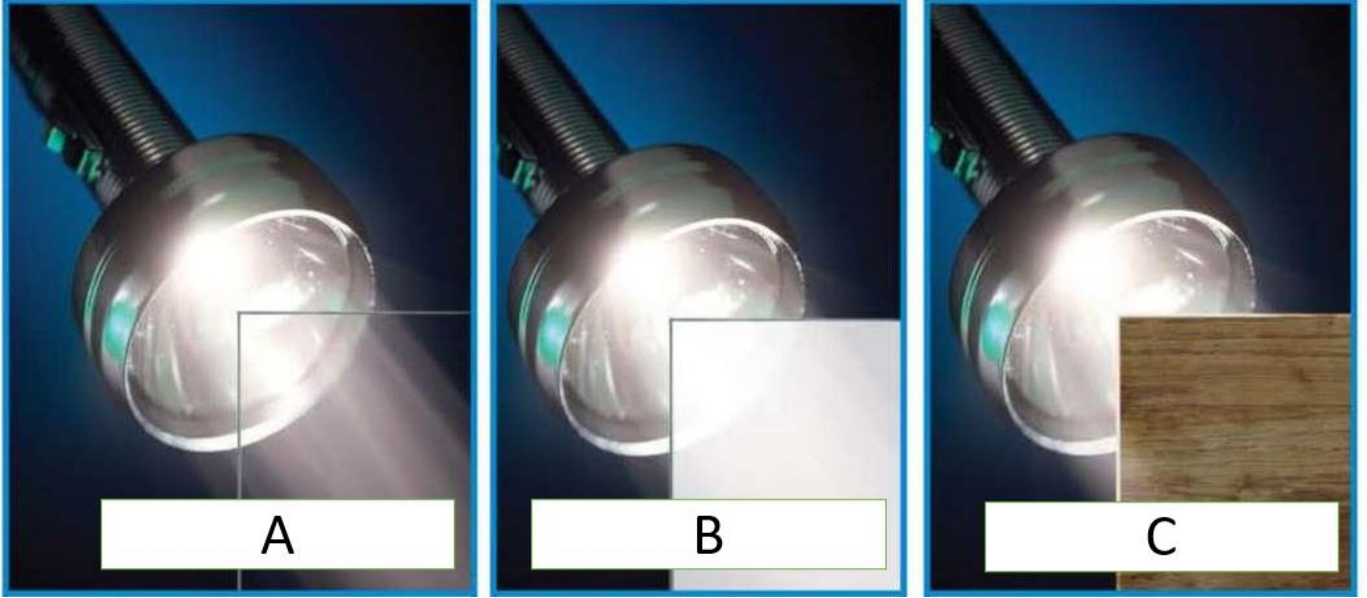
transparent

translucent

opaque

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q18. evaluate



18.1 Which material allows no light to pass through? (2) _____

18.2 What happens to the light that does not pass through? (2)

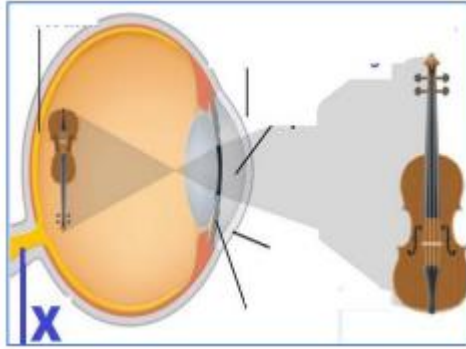
18.3 What material (A/B/C) would a car windscreen need to be made from? Explain your answer. (4)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
19	4-PS4-2 Student will develop and use a model to explain how light reflecting from objects allows animal's eyes to see.	Figure page 80	U4M2L2 page 80

Q19. recall

19.1 Some parts of an animal's eye are transparent. How does this help the function of the eye?



19.1 Label X _____ (2)

19.2 What is the first part of the eye that light passes through? _____ (2)

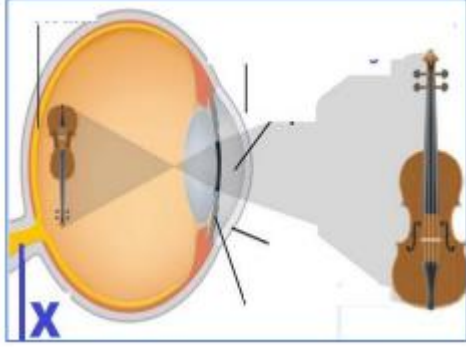
19.3 What is the name of the part of the eye that focuses light onto the back of the eye?

_____ (2)

19.4 What is the back of the eye called? _____ (2)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q19. apply



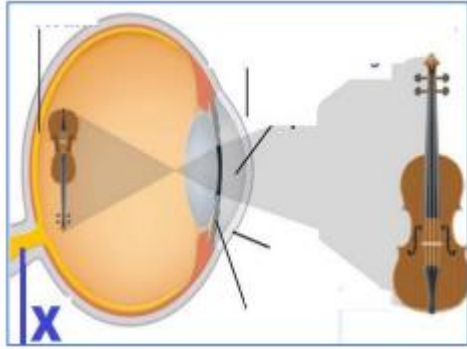
19.1 What is the state of the image formed on the back of the eye compared to the original object? (2)

19.2 What will happen to the image if you close your eyes? Explain why. (2)

19.2 Imagine you are looking at a violin through your left eye. Describe the path of light from the violin to your brain, detailing each part of the eye it travels through. (4)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Q19. Analyse/interpret



19.1 Some parts of an animal's eye are transparent. Name these parts and state how does this help the function of the eye? (4)

19.2 What would happen if our lens is damaged? (2)

19.3 What tool can be used to help improve vision in the situation above? (2)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Question السؤال	**ناتج التعلم/ معايير الأداء Learning Outcome/Performance Criteria**	مثال/تمرين Example/Exercise	الصفحة Page
20	4-PS3-2 Students will use a model to explain how animals sense and interpret their environment.	Figure page 65	U4M2L1 page 65

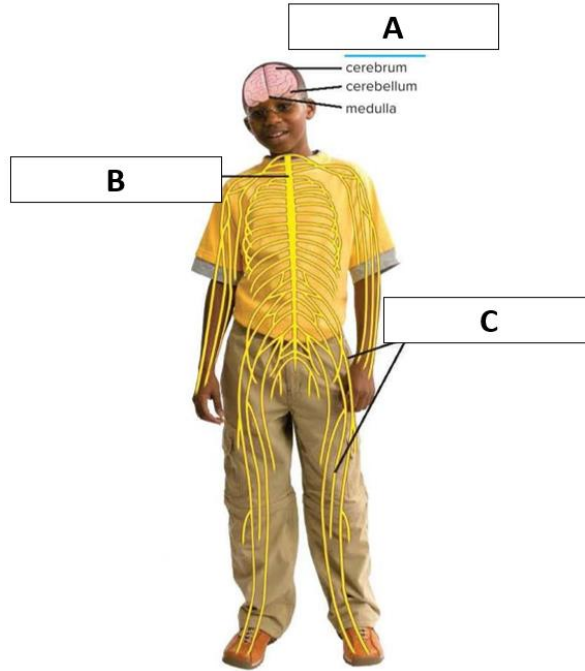
Q 20. recall

20.1 Label letter A, B and C (6)

A _____

B _____

C _____



20.2 What are the two systems that make up the nervous system called? (2)

the nervous

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Q 20. apply

Match the word to the meaning (8)

a nerve that is not part of the central nervous system and receives sensory information

part of the nervous system that is made up of the brain and spinal cord

interprets information from the nervous system and controls muscle movement

moves information to and from the brain and peripheral nerves

central nervous system

spinal cord

brain

peripheral nerve



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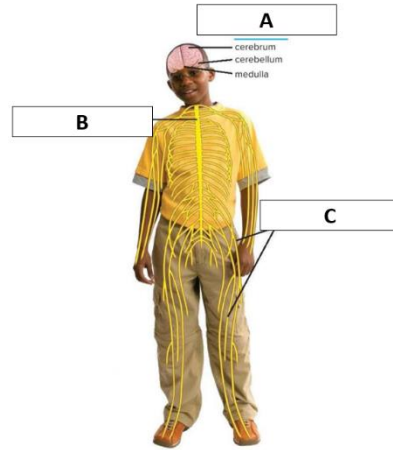
Q 20. Analyse/ evaluate

20.1 What system is joined to organs that receive sensory information from the environment? (2)

20.2 Which letter in the picture represents the system mentioned above? _____ (2)

20.3 What letter in the diagram controls the response in a reflex? _____ (2)


20.4 What will happen if the part labelled B is damaged? (2)



دليل الإجابة

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

Answer Guidelines

رقم السؤال Item			
Q1	(A) Stomata	(B) Carbon dioxide	(C) Nutrients
Q2.	(C) embryo	(A) seed coat	(B) cotyledon
Q3.	(D) lungs	(D) to eat and gather food	(C) to ensure their survival and ability to perform essential functions
Q4.	A-Refraction B-Convex C-Concave		
Q5.	(B) fruit	(C) because the fruits are designed to be eaten by animals, which the spread the seeds in their dropping.	(B) the baby plant might not be protected from harm.
Q6	(C) retina	(A) cornea-pupil-lens-retina	(A) her eye is not focusing light properly
Q7	B-Movement D-Vision B-Snakes		
Q8	C-Spinal cord A-Spinal cord B-Central Nervous System		
Q9	C- Have biggest ears	C- 	A- The feet
Q10	B- Reflect	B- Owl	A- Image
Q11	C- Have compound eyes B- All direction	C- To see movement underwater	
Q12	(B) Trees make/produce	(B) B	(C) From the food they
Q13	(D) Roots	(C) Leaves	(B) B
Q14	(B) adaptation	(D) to climb trees and drain excess water	(A) thick stem to hold water
Q15	(D) gills	(C) by using its teeth to catch prey	(B) to find food and shelter
Q16	16.1	<div style="border: 2px solid black; padding: 5px;"> <p>1. Label the structure with the letter:</p> <p>A. <input type="text" value="eyes"/> _____ (2)</p> <p>B. <input type="text" value="mouth"/> _____ (2)</p> <p>C. <input type="text" value="scales"/> _____ (2)</p> <p>D. <input type="text" value="claws"/> _____ (2)</p> </div>	

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

16.2

	Structure	Possible function
A.	eyes	to find prey
B.	mouth	to eat/ taste
C.	scales	protection
D.	claws	defense

16.3

They both have similar structures for support and protection.

B. What are the structures?

bones

skin

3. What are their eyes, mouth, tongue, and nose are called?

sensory organs

Q17

17.1

A.	Stem	(2)
B.	Leaves	(3)
C.	Roots	(3)

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17.2

1. What are the main structures of most plants?

Stem Leaves Roots

2. Describe the function of the plant parts labelled.

A. _____
 _____ (2)

B. _____
 _____ (2)

C. _____
 _____ (2)

17.3

The adjacent figure shows the sunflower plant parts.

1. Which letter takes in water and dissolved nutrients from the soil?

2. Label letter A.

3. The plant releases water vapor through the small openings in the underside of leaves.
This process is called _____

Q18

Fill in the words to label:

A _____ (2)

B _____ (3)

C _____ (3)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

18.1 List 2 materials that are transparent

Clear glass

Clear plastic

18.2 List 2 materials that are translucent

frosted glass

sunglasses

18.2 List 2 materials that are opaque

wood

metal

18.4 What type of material is C made of? Circle the correct response.

transparent

translucent

opaque

18.1 Which material allows no light to pass through?
(2)

C

18.2 What happens to the light that does not pass through? (2)

It is scattered or blocked (absorbed). Any relevant response

18.3 What material (A/B/C) would a car windscreen need to be made from? Explain your answer. (4)

A, we need all the light to pass through, so we must use a transparent material. This will allow the driver to see clearly.

*Any answer that explains the importance of being able to see and that all light passes through is correct.

Q19

19.1 Label X

Optic nerve / nerve

19.2 What is the first part of the eye that light passes through?

cornea

(2)

19.3 What is the name of the part of the eye that focuses light onto the back of the eye?

lens

(2)

19.4 What is the back of the eye called?

retina

(2)

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

19.1 What is the state of the image formed on the back of the eye compared to the original object? (2)

It is upside down

19.2 What will happen to the image if you close your eyes? Explain why. (2)

You will not see because light will not reach the back of your eye.

19.2 Imagine you are looking at a violin through your left eye. Describe the path of light from the violin to your brain, detailing each part of the eye it travels through . (4)

Cornea – pupil --- lens --- retina ---optic nerve--- brain

19.1 Some parts of an animal's eye are transparent. Name these parts and state how does this help the function of the eye? (4)

Cornea and lens are transparent. This lets light pass through to the back of the eye so it can form an image on the retina.

19.2 What would happen if our lens is damaged? (2)

Light will not be focused on the retina. OR light will not reach the back of the eye. Any relevant response.

19.3 What tool can be used to help improve vision in the situation above? (2)

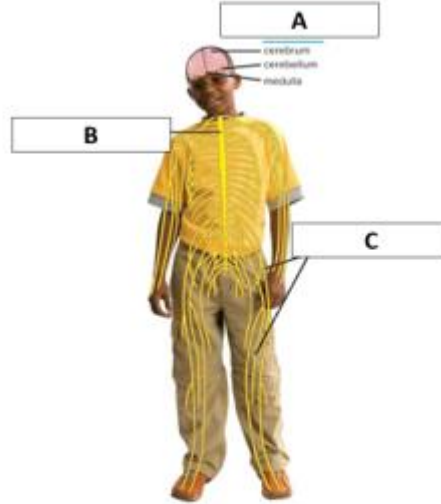
Eye glasses.

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Q20

20.1 Label letter A, B and C (6)

- A
- B
- C



20.2 What are the two systems that make up the nervous system called? (2)

Match the word to the meaning (8)

a nerve that is not part of the central nervous system and receives sensory information

part of the nervous system that is made up of the brain and spinal cord

interprets information from the nervous system and controls muscle movement

moves information to and from the brain and peripheral nerves

نموذج تدريبي لامتحان العلوم للصف الرابع الابتدائي – الفصل الدراسي الثالث 2024/2023

20.1 What system is joined to organs that receive sensory information from the environment? (2)

Peripheral nervous system

20.2 Which letter in the picture represents the system mentioned above? (2)

20.3 What letter in the diagram controls the response in a reflex? (2)

20.4 What will happen if the part labelled B is damaged? (2)

Messages will not be sent to the brain, so the brain will not be able to send messages back to control parts of the body. * Any relevant answer