نموذج اختبار تجريبي وفق الهيكل الوزاري منهج انسباير القسم الكتابي

تم تحميل هذا الملف من موقع المناهج الإماراتية	
موقع المناهج ⇦ المناهج الإماراتية ⇦ الصف السابع ⇦ علوم ⇦ الفصل الأول ⇦ ملفات متنوعة ⇦ الملف	
تاريخ إضافة الملف على موقع المناهج: 16-11-2025 10:15:47	
ملفات ا كتب للمعلم ا كتب للطالب ا اختبارات الكترونية ا اختبارات ا حلول ا عروض بوربوينت ا أوراق عمل منهج انجليزي ا ملخصات وتقارير ا مذكرات وبنوك ا الامتحان النهائي ا للمدرس	المزيد من مادة علوم:
إعداد: AlGhaithi Mariam	

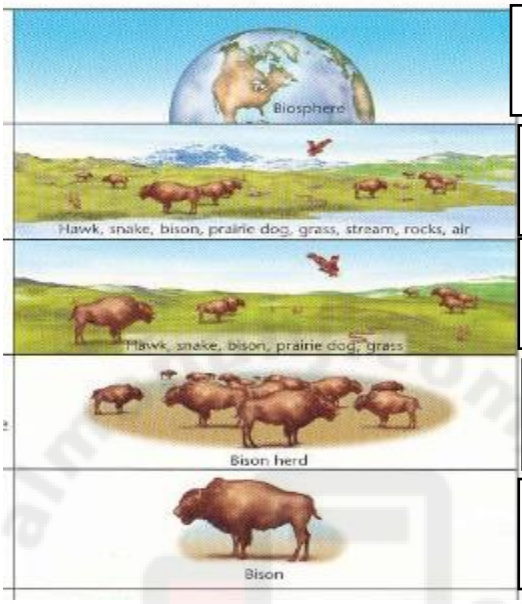
التواصل الاجتماعي بحسب الصف السابع					
صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف السابع والمادة علوم في الفصل الأول	
1	أوراق عمل مراجعة هيكل العلوم بريدج مع الحل
2	حل مراجعة الأسئلة المقالية (الكتابية) وفق الهيكل الوزاري منهج بريدج
3	مراجعة الأسئلة المقالية (الكتابية) وفق الهيكل الوزاري منهج بريدج
4	حل مراجعة الأسئلة الموضوعية وفق الهيكل الوزاري الجديد منهج بريدج
5	مراجعة الأسئلة الموضوعية وفق الهيكل الوزاري الجديد منهج بريدج

Question	1

Identify levels of organizations across ecosystems. PDF Q21 Encounter the Phenomenon P71-73 Collect Evidence P75

1-What are the levels of organization in an environment?



2-Describe the relationship between individuals, populations, community, ecosystems and the biosphere.

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3-What evidence have you discovered to explain how the animals of the park in Namibia are organized in their ecosystem?

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4-What are the relationships between the oryx, birds, springboks, and lions?

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5-What resources do the animals share?

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6-Define species

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Question	2

Evaluate differing biodiversity and ecosystems. PDF Q22 Collect EvidenceP159

1-Define biome:

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2-What evidence have you discovered to explain how biodiversity differs in different ecosystems?

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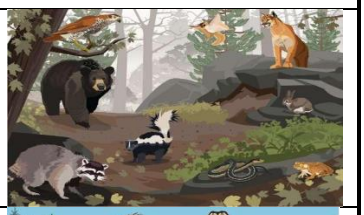
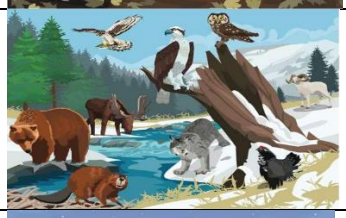
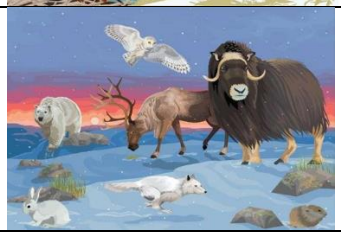
Biomes Name	Plants	Animals	Climate	Picture
Desert				
Grassland				
Tropical Rain Forests				
Temperate Rain Forests				
Temperate Deciduous forests				
Taiga				
Tundra				

3-List the characteristics of the following land biomes:

Question	3

Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem. PDF Q23 Three-Dimensional Thinking P83

1-What are limiting factors?

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2-How do they affect the population?

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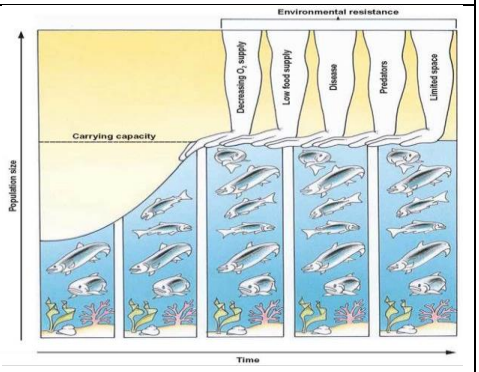

3-What is the difference between biotic potential and carrying capacity?

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Biotic potential	Carrying capacity

4-Define overpopulation.

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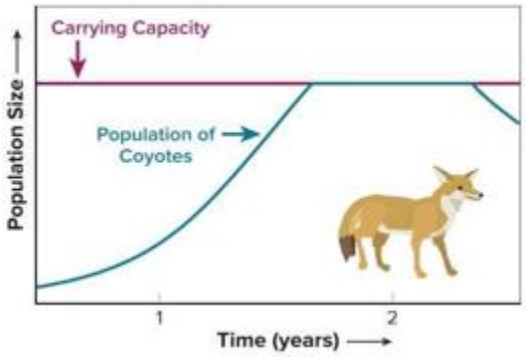
5-A population of coyotes lives in a habitat with plentiful food and no predators. Analyze the graph and interpret what is happening to their population size at the one year mark.



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6-Which of the following explains what happened to the coyote population size when it reached its carrying capacity, and why?

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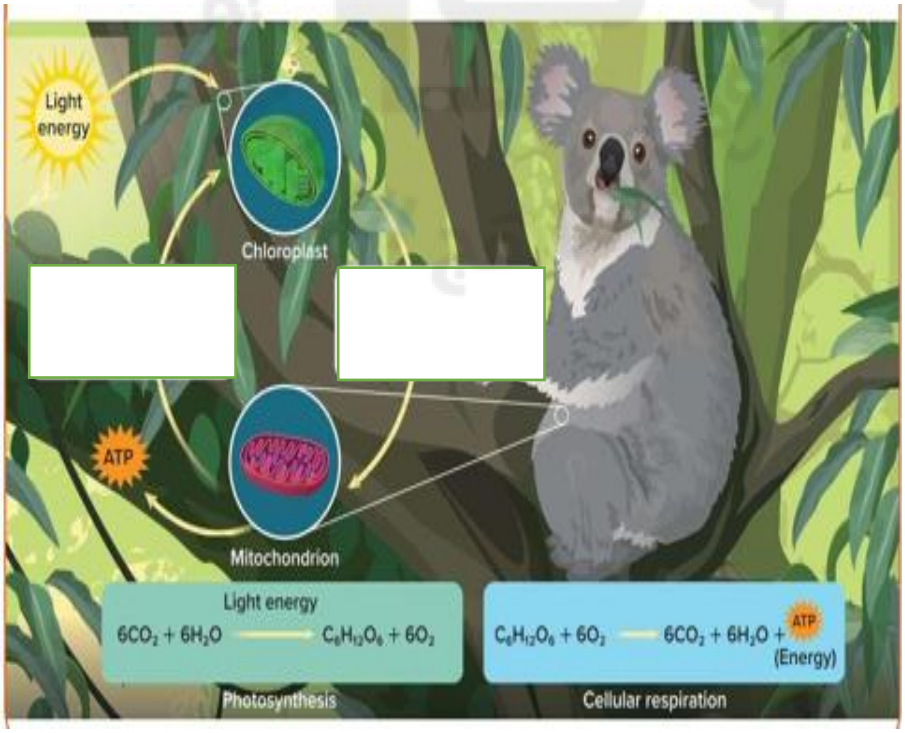
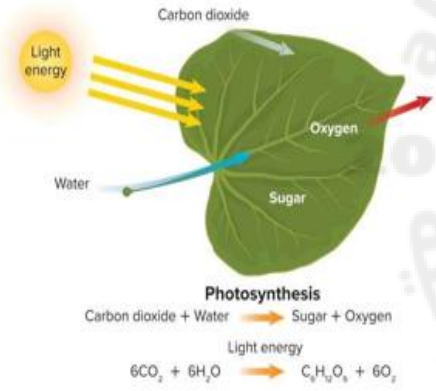
Question	4

Model chemical reactions such as photosynthesis and/or cellular respiration. PDF Q24 Summarize it! P22 Three-Dimensional Thinking P23

1-Compare photosynthesis and cellular respiration. What is required for photosynthesis? What are the products of photosynthesis? What is required for cellular respiration? What are the products of cellular respiration?



	Photosynthesis	Cellular respiration
Function		
Location		
Reactant		
Products		
Equation		
Type of cell And organisms		



2-Which is the best explanation of the change in energy shown in the model?

-new energy is produced by plants during photosynthesis

-large amount of energy are released into the environment during photosynthesis

-energy from sunlight is destroyed as it powers photosynthesis

-Energy input form the environment is stored in food molecules during photosynthesis.

3-In recent decades, average global temperatures have increased significantly. Scientists agree that the widespread destruction of the Amazon rain forest contributes to climate change. Which mechanism might be cited to support that hypothesis?

-deforestation causes water on the ground to reflect sunlight

-Deforestation reduces the number of plants able to absorb carbon dioxide.

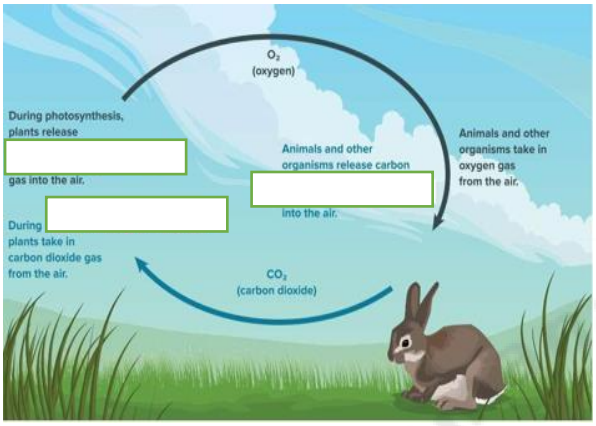
-photosynthesis produces energy, which gives off heat

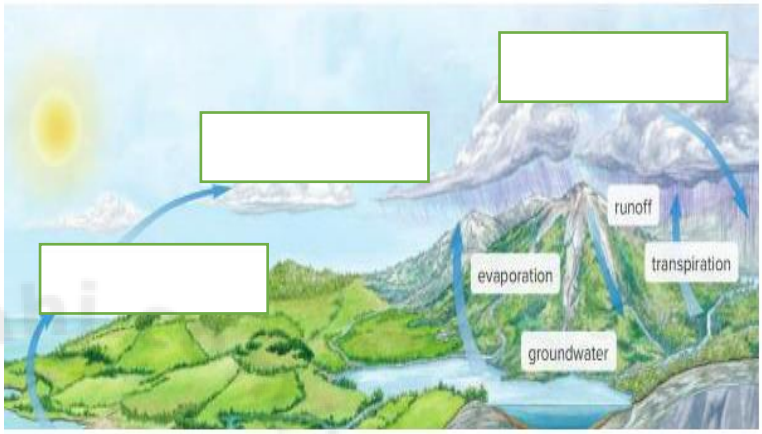
-plants use up energy during cellular respiration

Question	5

Model and describe the cycling of matter in an ecosystem. PDF Q25 Collect Evidence P52

1-label evaporation, condensation, and precipitation in the water cycle diagram below And oxygen, photosynthesis and dioxide in the oxygen cycle.





2-Which of the following is NOT true about systems that cycle matter?

-Living things play a role in the cycling of matter
-matter changes form as it cycles
-some matter is destroyed as it cycles through the environment
-matter is constantly cycling thought the environment

3-What evidence have you discovered to explain how water moves through an environment?

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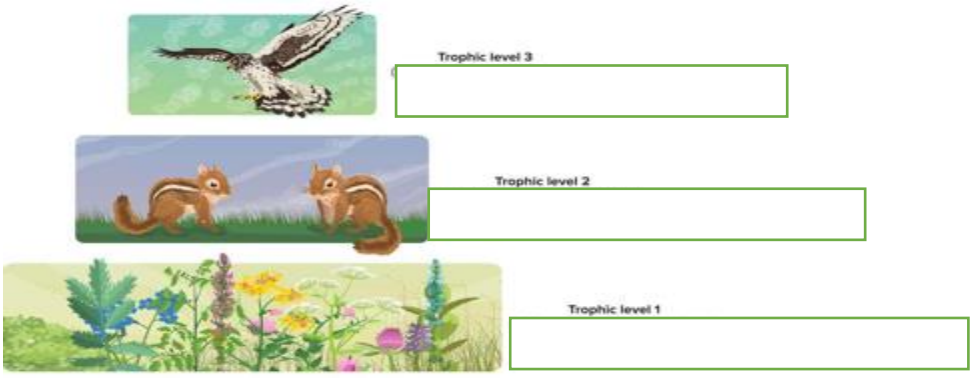
4-The figure shows an energy pyramid. Identify the amount of energy available at each tropic level?



5-In an energy pyramid, approximately 10 percent of the energy available in one trophic level is transferred to the next level. Which statement helps explain why this occurs?
-consumers eat both producers and other consumer
-organisms use most of the available energy to fuel their own life processes
-predators eat more organism in their own level than organisms in other levels.
-producers exist in only the lowest level of the pyramid

6-Evaluate the following possible solution to combat the threats to biodiversity shown in the image. Which of the following would be the least effective solution?

-regulating fishing
-bioremediation
-proper disposal of waste
-reducing the use of harmful chemicals

7-How does human activity cause disruptions in ecosystems?

Threat to biodiversity	Description	Example
Pollution		
Invasive species		
Habitat destruction		
Overexploitation		
Climate change		

8-In what ways is biodiversity threatened? How can we protect biodiversity?

Habitat destruction	• Habitat restoration and conservation • reforestation and reclamation
Invasive species	• Controlling invasive species • mechanical, chmeical and biological controls
Pollution	• Cleaning up and reducing pollution
Overexploitation	• Sustaining populations
Climate change	• Reducing impacts of climate change • switching from fossil fuels to renewable energy sources such as solar, wind and geothermal power

9-How are pollution and invasive species threats to biodiversity?

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