

Science Department

Mock Exam

Term 3 - 2023/2024

Grade:

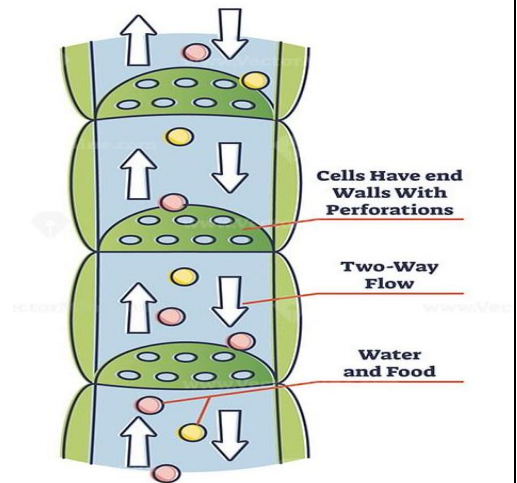
School Name:.....

Levels (Bloom's Taxonomy)	Difficulty level	Symbol	Percentage
Remember	Easy- Medium	E,M	20
Understand	Easy- Medium	E,M	20
Apply	Easy- Medium-Difficult	E, M, D	20
Analyze	Easy- Medium-Difficult	E, M, D	20
Evaluate	Difficult	D	10
Create	Difficult	D	10

Part 1

20 Questions- Multiple choice- Please highlight the vocabulary related to each topic: for example decomposer , niche...etc

Q1. What plant structure transfers sugars throughout the plant?



- a. Phloem
- b. Transpiration
- c. Xylem
- d. Stomata

Q2. E What is the function of the leaves?



- a. To make food for the plant.
- b. To transport water and minerals through the plant.
- c. To reproduce and make seeds.
- d. To bring water and minerals from the soil into the plant.

Q3.The adjacent figure shows **bacteria** which type in the ecosystem do most bacteria belong to?



a. Consumer

b. Producer

c. Decomposer

d. Omnivores

Q4. which of the following define where the living organisms interact with nonliving thing in the environment.?

a. Niche

b. Habitat

c. Ecosystem

d. Abiotic factors

Q5. what are plants need to product oxygen and sugar in the plant leaves in presence of light energy?

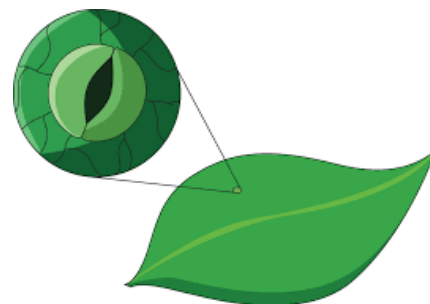
a. Oxygen and nitrogen

b. Water and carbon dioxide

c. Nitrogen and oxygen

d. Sugar and nitrogen

Q6. which of the following best defines tiny opening of underside the most leaves that allow air to enter?



- a. Stomata
- b. Xylem
- c. Roots
- d. Phloem

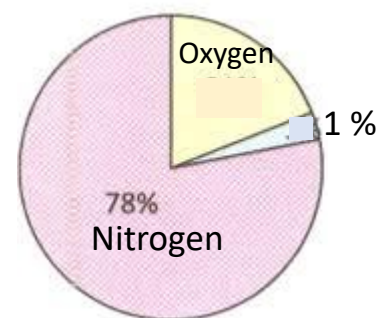
Q7.A type of locust was eating crops in Egypt and caused harm. Which of the following best defines an organism that causes harm?



- a. Carnivores
- b. Invasive species
- c. Prey
- d. Decomposers

Q8.M-D

What is the percentage (%) of Oxygen in the air?



- a. 21 %
- b. 78 %
- c. 100 %
- d. 50 %

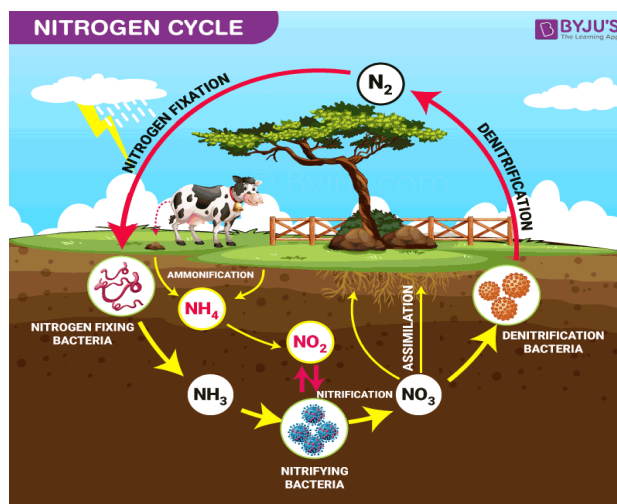
Q9.

Where does water vapor go when water evaporate from leaves of plants ?

- a. It sinks into the geosphere .
- b. It rises to the atmosphere.
- c. It goes into other living things.
- d. It goes into ocean .

Q10.E-M

which of the following responsible cycling nitrogen into atmosphere?



- a. Producer
- b. Consumer
- c. Decomposer
- d. Fungi

Q11.

which of the following the niche of bacteria that live in the roots ?



- a. Bacteria that change nitrogen gas into a form plants can use.
- b. Bacteria that change carbon dioxide gas into a form plants can use.
- c. Bacteria that change oxygen gas into a form plants can use.
- d. Bacteria that change water vapor into a form plants can use.

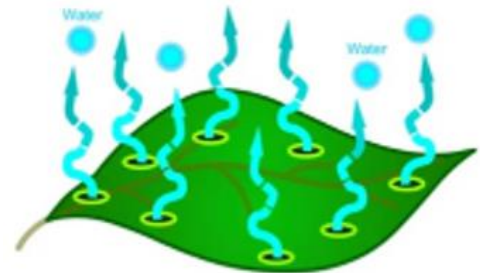
Q12.E-M

Which of the following considered a waste product in the plants?

- a. Magnesium and oxygen
- b. Sulfur and carbon dioxide
- c. Oxygen and sugar
- d. Carbon dioxide and water

Q13.M

which of the following best define of evaporation water from the plant's leaves ?



- a. Absorption
- b. Transportation
- c. Photosynth
- d. Transpiration

Q14.M

When volcanoes erupt, dust and ash particles spread through much of the air blocking the sun. Which two spheres are interacting?



- a. Hydrosphere and atmosphere
- b. Geosphere and atmosphere
- c. Biosphere and atmosphere
- d. Atmosphere and atmosphere

Q15.M

While hiking through a nearby forest, you find some fungi growing on a tree stump.

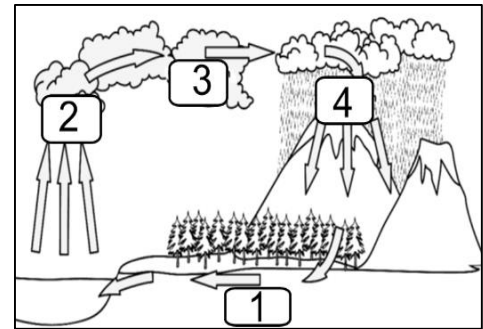
What role does the fungi play in this forest ecosystem?



- | | |
|----|--|
| a. | It breaks down dead tree matter. |
| b. | It eats living organisms and their wastes. |
| c. | It uses sunlight to produce energy for the tree. |
| d. | It produces oxygen that other forest organisms use to survive. |

Q16.M-D

Which stage does the #2 show in the diagram?



- | | |
|----|---------------|
| a. | condensation |
| b. | evaporation |
| c. | precipitation |
| d. | run off |

Q17.D

Which statement is true about the carbon dioxide-oxygen cycle?

- | | |
|----|--|
| a. | animals breathe in nitrogen and release oxygen which is used by plants |
| b. | animals breathe in oxygen and release carbon dioxide which is used by plants |
| c. | animals breathe in nitrogen and release carbon dioxide which is used by plants |
| d. | animals breathe in carbon dioxide and release oxygen which is used by plants |

Q18.E-M

the continuous movement of water between earth's surface and the air, changing from liquid into gas into liquid

- | | |
|----|---------------------|
| a. | Oxygen Carbon Cycle |
| b. | Nitrogen Cycle |
| c. | Oxygen Cycle |
| d. | Water Cycle |

Q19.E

Which of following could increase the amount of carbon dioxide in the air.

- | | |
|----|------------------------|
| a. | Building more houses |
| b. | Burning more oil |
| c. | Increase of streets |
| d. | Planting more of trees |

Q20.E

Which of the following does NOT belong in the atmosphere?

- | | |
|----|--------|
| a. | Rain |
| b. | Winds |
| c. | Clouds |
| d. | Oxygen |

Part 2

10 Questions- Written questions

Q1.E

Answer about next question about plants need :



1.a A substance found in the soil that plants need to live , grow and stay healthy is called

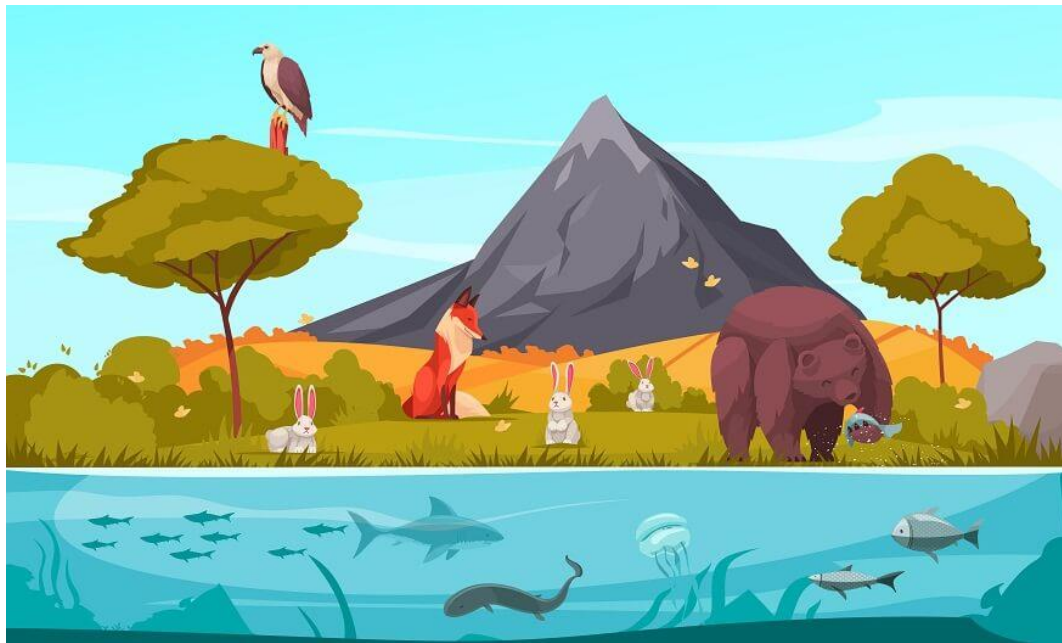
1.b which is plant vascular tissue that transport water and dissolved minerals from the roots to the rest of the plant?

1.c What Happens if Plants Are Planted Too Close Together?

.....

Q2.E-M

look for next image then answer :



2.a write two examples of abiotic factors : and

2.b the place where living thing live is called

2.explain why this place is consider ecosystem ?

.....

Q3.E-M

Latifa did this experiment and following table show the results of an experiment .

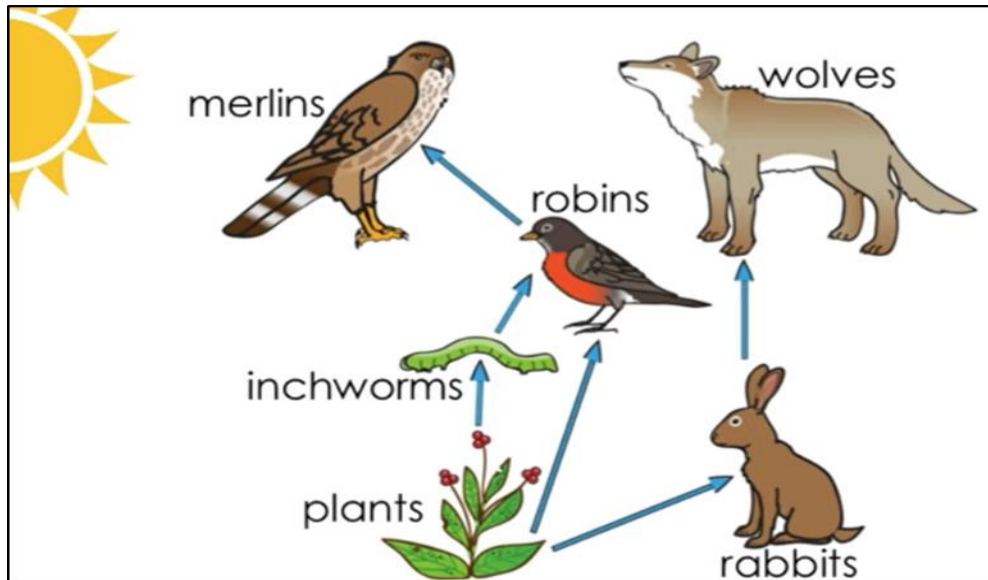
Length of plant at days	Plant 1	Plant 2	Plant 3
Amount of light each day	No light	3 hour	6 hour
Length of plant at 1 day (Cm)	0	0	0
Length of plant day 7 (Cm)	1	3	5
Length of plant at 14 day (Cm)	3	5	9
Length of plant at 21 day (Cm)	5	7	13

3a. Aim of this experiment is studying effect of the growth of plant .

3b. what is length of plant 2 at 14 day ? cm .

3c. does the light effect of growth of plant ? yes or no

Q4.M Look for picture then answer



4a. Which of the following is a herbivore?.....

4b. Which of the following is a omnivores ?.....

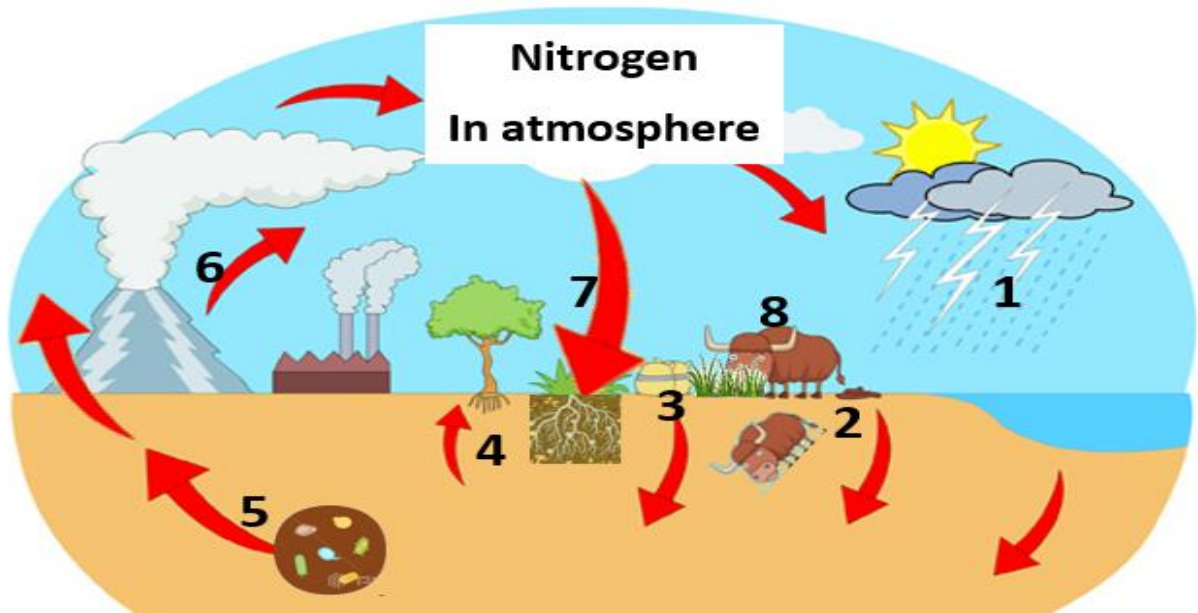
4c. what will happen if rabbit is increase ?

.....

Q5.M-D

Choose the correct word to complete the next sentence

Decay – bacteria – atmosphere – fix



5a.Step 1: Lightning can nitrogen in soil.

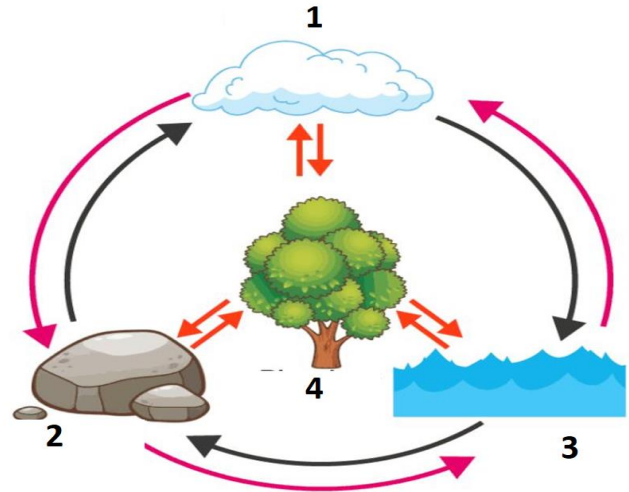
5b.Step 2 : Waste and dead animal will by decomposer.

5c.Explain step number 5 ?

.....

Q6.M-D

look for following diagram then
answer :



6a. what is name earth's system which refer by 2 number ?

.....

6a. what is name earth's system which refer by 4 number ?

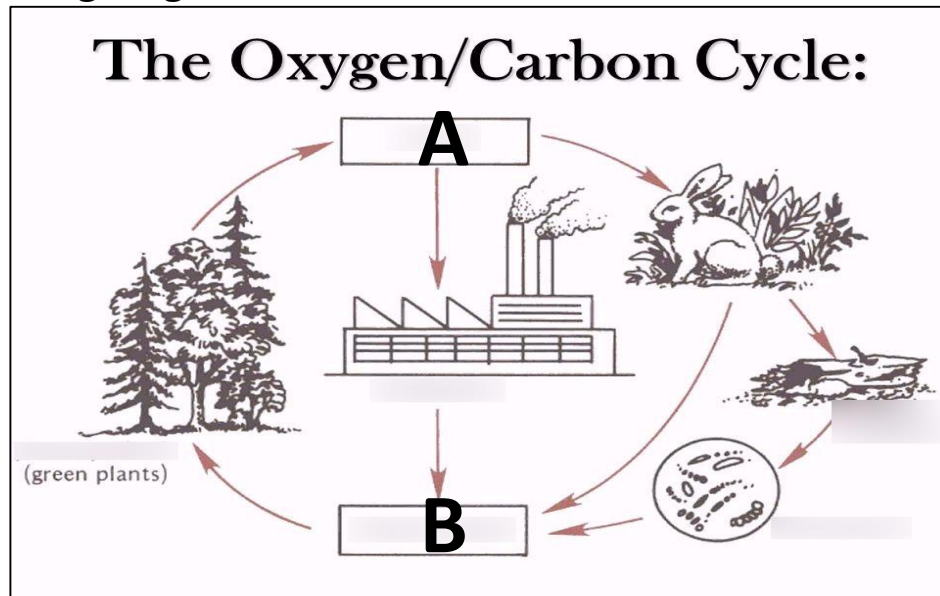
.....

6c. When wind move sediments , the interaction is between the

.....and the

Q7.M-D

look for following diagram then answer



7a. letter A is

7b. letter B is

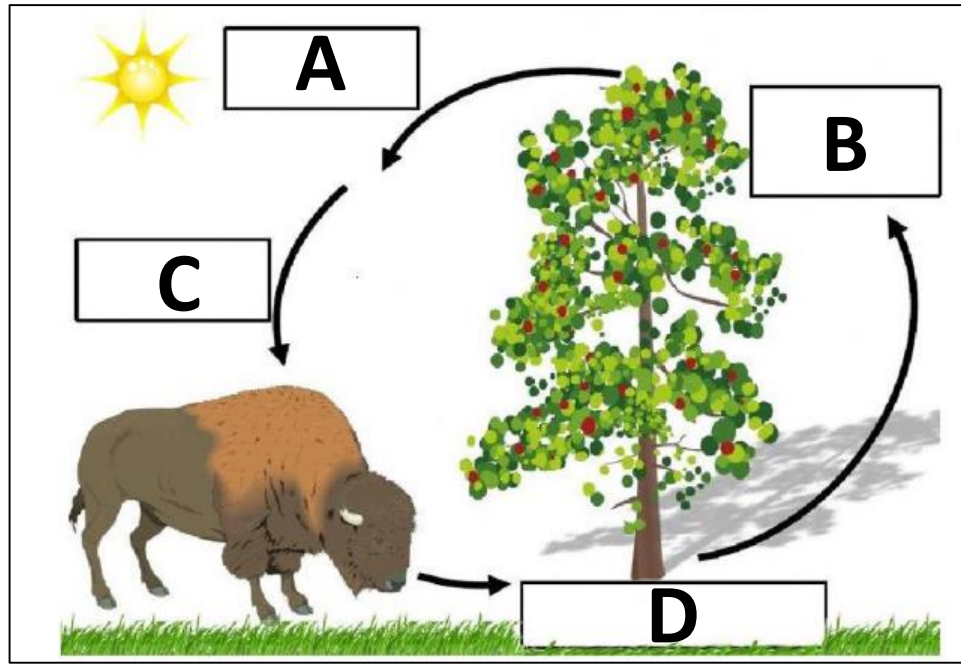
7c. factories amount of carbon dioxide into atmosphere .

- A. Increase
- B. Decrease

Q8.E

look for following diagram then

Write the letter



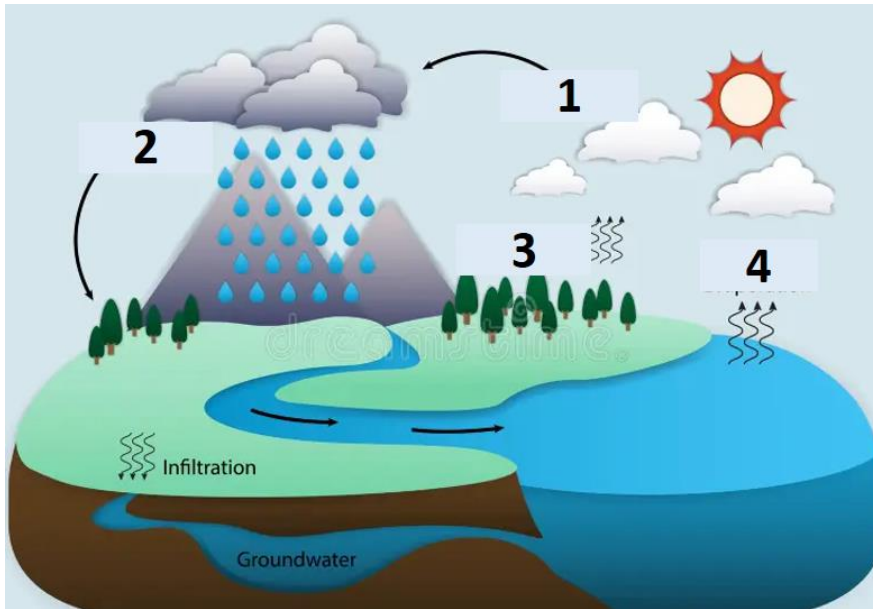
8a. letter refer to animal breath out carbon dioxide .

8b. letter refer to plant absorb carbon dioxide .

8c. letter refer to plant release oxygen gas .

Q9.D

look for following water cycle diagram then answer :



9a. number refer to condensation process .

9b. number refer to transpiration process .

9c. precipitation process refer by number

Q10.D

look for following picture then answer about next question :



10a. hydrosphere system is all solid or liquid of On earth .

10b. percentage of hydrosphere % of earth surface .

10c.give two example of freshwater recourses :
..... And

***** End of the Exam*****