

Science Department

Mock Exam

Term 3 - 2023/2024

Grade: 5

Copy Number (8)

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

Q1.

This part of the **Earth System** includes the gases that surround the earth.

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

Q2.

What is the **process** called during which water falls from clouds to the ground in liquid or solid form?

- a. Evaporation
- b. Condensation
- c. Transpiration
- d. Precipitation

Q3.

What is the name of the **process** where the **remains of living things rot, decay or break down?**

- a. Disintegration
- b. Dissolve
- c. Decomposition
- d. Recycling

Q4.

living organism that puts materials from dead plants and animals back to the soil is called a

- a. carnivore
- b. decomposer
- c. herbivore
- d. omnivore

Q5.
Mold grows on fruits.

What is mold an example of?



- a. Bacteria
- b. Fungi
- c. Plants
- d. animals

Q6.
Which of the following is **TRUE** about **decomposers**?

- a. they need oxygen, water, and warm temperature
- b. they need oxygen and nutrients but not water
- c. they are not affected by temperature
- d. they can survive in any environment in any condition

Q7.
Which of the following **BEST describes** how **decomposers** are considered helpful to plants?

- a. They harm the plants
- b. They provide nutrients to plants
- c. They break down healthy growing plants
- d. They grow on plants

Q8.
The **rocks** in a **savanna ecosystem** is part of which of the following earth systems?

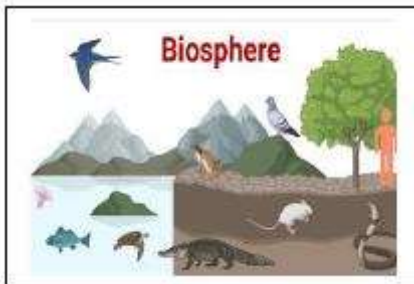


- a. Atmosphere
- b. Biosphere
- c. Geosphere
- d. Hydrosphere

Q9.
All living things use energy and release gas as a waste product. What **cycle explains the circulation of these gases?**

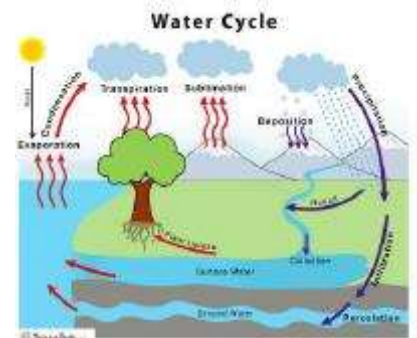
- | | |
|----|---------------------|
| a. | Water cycle |
| b. | Oxygen-Carbon cycle |
| c. | Carbon cycle |
| d. | Nitrogen cycle |

Q10.
When **a deer drinks water** from a creek, which **2 earth systems** are interacting?



- | | |
|----|-------------------------|
| a. | Biosphere - Hydrosphere |
| b. | Atmosphere - Biosphere |
| c. | Lithosphere – Geosphere |
| d. | Hydrosphere – Geosphere |

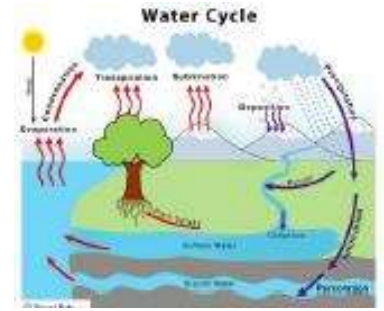
Q11.
What is the **source of energy** for the **Water Cycle**?



- | | |
|----|--------|
| a. | Sun |
| b. | plant |
| c. | animal |
| d. | tree |

Q12.

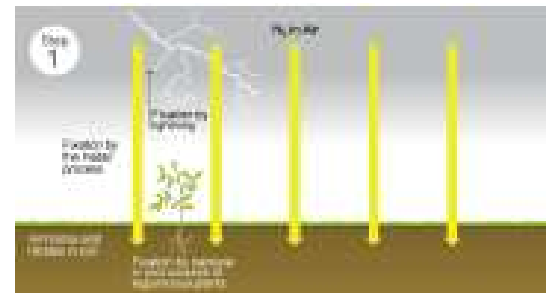
The three main processes involved in the water cycle of correct order are:



- a. Precipitation- Condensation-Evaporation
- b. Evaporation- Condensation- Precipitation
- c. Condensation- Evaporation- Precipitation
- d. Transpiration - Evaporation- Precipitation

Q13.

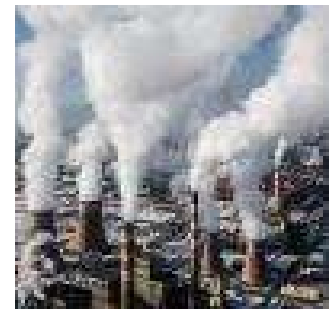
How is nitrogen "*fixed*" into a usable form for plants?



- a. Volcanic activity and lightning
- b. Earthquake
- c. Tsunami
- d. Precipitation

Q14.

Burning of fossil fuels releases _____ into the atmosphere.



- a. Oxygen
- b. Carbon dioxide
- c. Nitrogen
- d. Water

Q15.

Which of the following is **not** an **abiotic factor**?

a. rocks

b. air

c. animal

d. water

Q16.

Which part of the **water cycle** includes *water vapor gas changing to a liquid?*

a. condensation

b. evaporation

c. precipitation

d. transpiration

Q17.

Mr. Hernandez's science class learned that green plants use sunlight, water, and carbon dioxide to make their own food and release oxygen in the process. How can the class explain how animals complete the **oxygen-carbon cycle**?

a. Animals take in the oxygen, but do not release gas as they use energy.

b. Animals take in carbon dioxide and use it to make food.

c. Animals take in oxygen and release nitrogen as waste.

d. Animals take in oxygen and as they use energy, carbon dioxide is released as waste.

Q18.

How can **earthworms** help this plant?

a. They feed on the plant

b. They make the soil healthy for the plant

c. They protect the plant

d. They cover the plant

Q19.

_____ is the evaporation of water from a plant's leaves.

- | | |
|----|---------------|
| a. | Evaporation |
| b. | Condensation |
| c. | Transpiration |
| d. | Precipitation |

Q20.

The _____ is the layer of gases surrounding earth.

- | | |
|----|-------------|
| a. | Atmosphere |
| b. | Geosphere |
| c. | Biosphere |
| d. | Hydrosphere |

Part 2

10 Questions- Written questions

Q1.

Write the 4 earth's system?

1.a

1.b

1.c

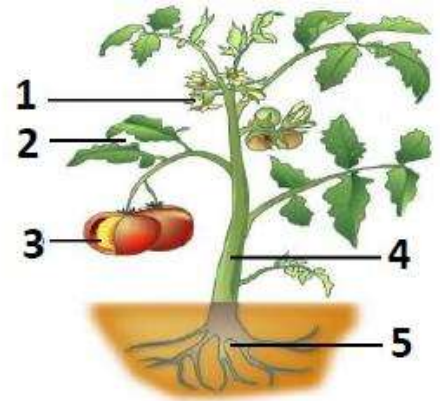
1.d

Q2. Study the Picture and then answer the following questions:

2(a). Part number 4 called

2(b). **Food makes** in the part number

2(c). Part number 5 move and to the plant.



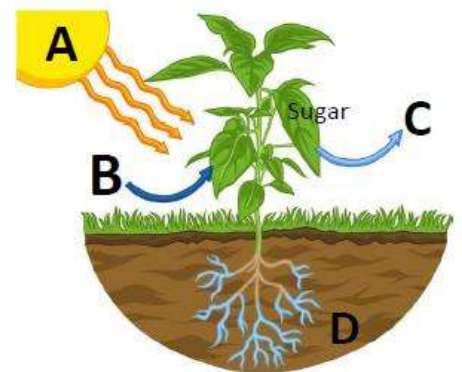
Q3.

Write the things that plants need and produce when making food according to the arrow in front of you :

3(a). Letter (A) is.....

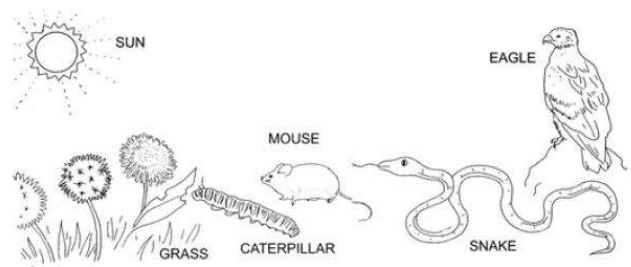
3(b). Letter (B) is.....

3(c). Letter (C) is.....



Q4.

The picture shows living things in an ecosystem.



4(a). Which organism is a producer?

4(b). Which organism is a carnivore?

4(c). Which organism is a herbivore?

Q5.

James is observing a lake. He wonders how the water in the lake is included in the **water cycle**. Place the stages of the water cycle in order, starting with the water in the lake.

- (.....) Large water droplets fall to the ground from the clouds.
- (.....) Water vapor cools and condenses on dust particles forming clouds.
- (.....) Energy from the sun causes the water in the lake to evaporate.
- (.....) Water droplets combine in the clouds to form larger droplets.

Q6.

What is the **role of decomposer in ecosystem**?

.....

.....

.....

Q7.

The diagram shows the **interaction between a fox and a rabbit**.

7(a). If the fox population **at number 2 decreases**, **how will it affect the rabbit population at number 3?**

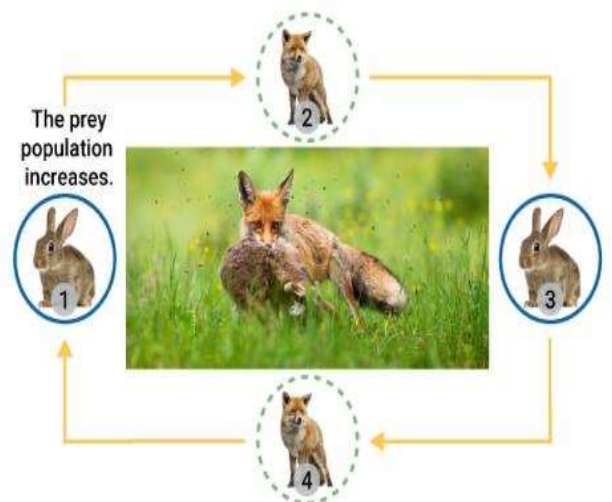
- The rabbit population will -----

(Increase – decreases).

7(b). If the rabbit population **at number 3 decreases**, **how will it affect the fox population at number 4?**

- The fox population will -----

(Increase – decreases).



Q8.

Write the three types of **precipitation**.

1. 2. 3.

Q9.

Study the Picture and answer the flowing questions:

9(a). What Happens if Plants are Planted Too Close Together?

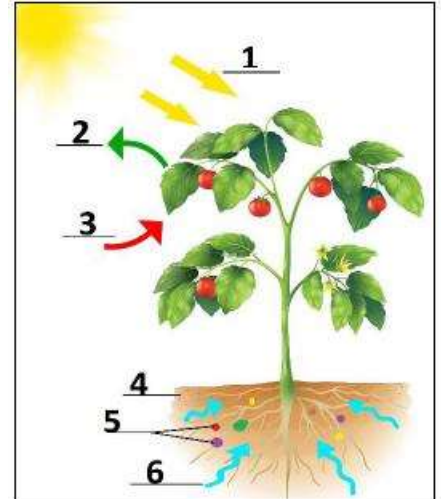
.....

9(b). What Happens if Plants Are Planted soil without nutrients?

.....

9(c). What happens if a plant is kept in dark without sunlight?

.....



Q10.

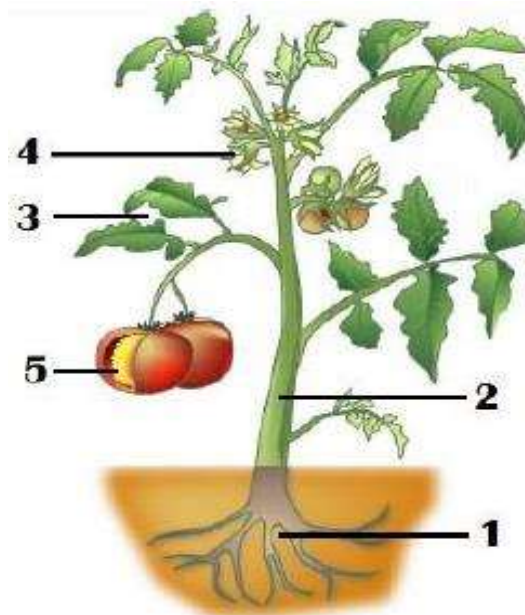
Study the picture, and answer the following questions:

10(a). What are release from the plant?

.....

10(b). The plant tissue that carries food materials from the leaves to the rest of the plant is the.....

10(c). The important gases, carbon dioxide and oxygen, enter and leave the leaf the.....



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