



ALIAH UNIVERSITY

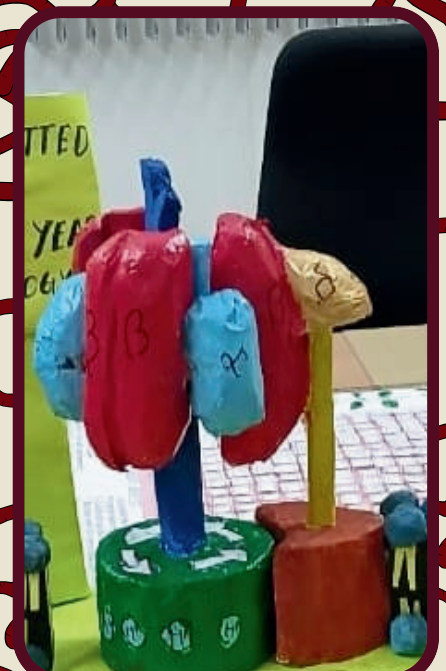
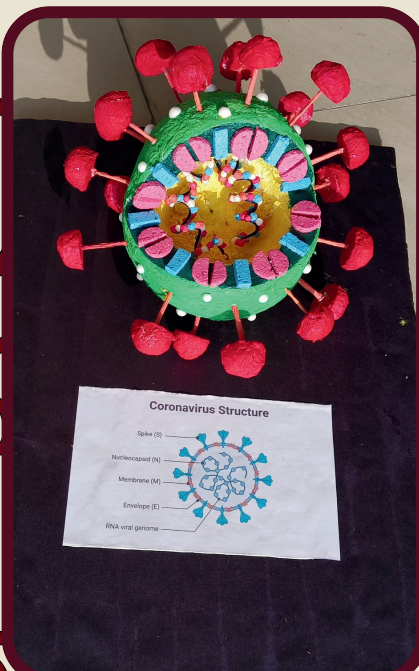


Department of Biological sciences

STUDENT'S INNOVATION CENTRE

Handbook - 2024

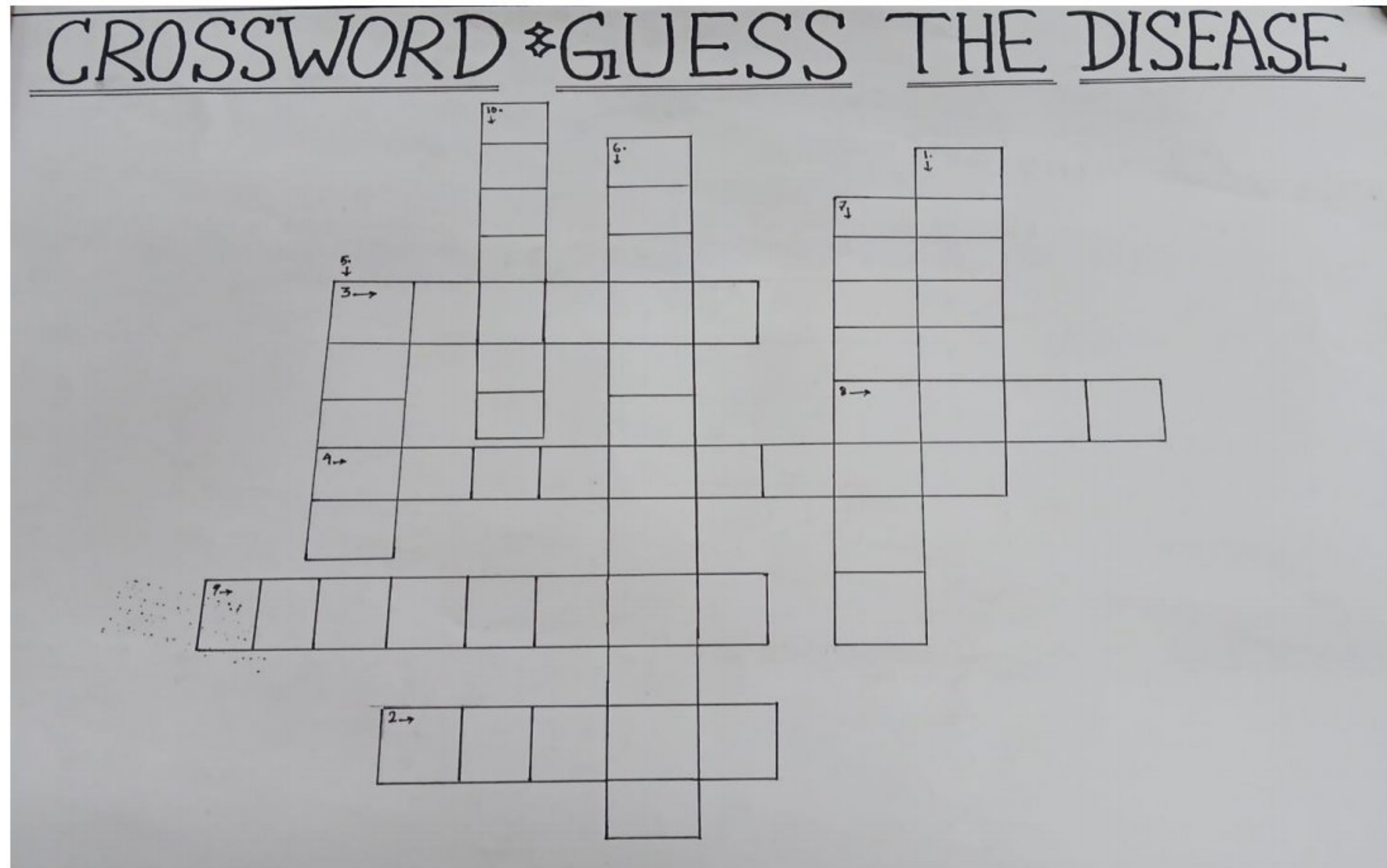
Coordinator: Dr.Safdar Ali



CONTRIBUTORS LIST

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CROSS WORDS



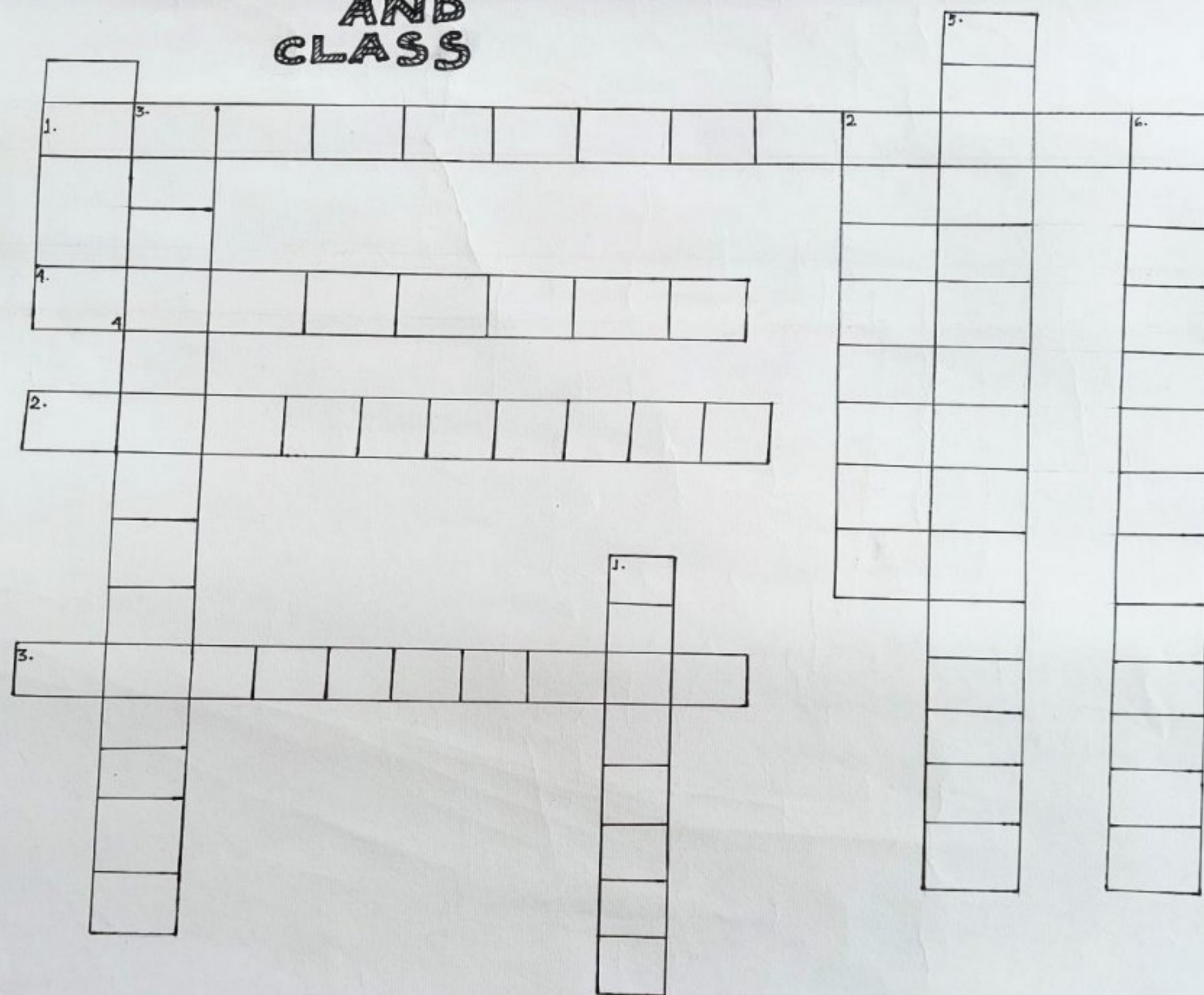
Vertical

1. Hemozoin is my weapon.
I am a disease ride on cycle.
5. Wuhan to throughout the world.
6. BCG vaccine is enemy of
2. A disease, which vaccine
me.
7. An infected sandfly is the vehicle of the protozoa,
causing a disease.
10. A bacterial disease.
Symptoms are muscle stiffness, lockjaw, and muscle spasms.

Horizontal

2. is administered as oral droplets.
3. Panic of the century, 'p53' gene is hijacked.
4. Symptoms are extreme temperature, sneezing, coughing, spread through respiratory droplets.
8. Transmit through blood, sexual contact or from mother to child during childbirth.
9. A viral disease name is

CROSSWORD ANIMAL PHYLUM AND CLASS



Vertical:

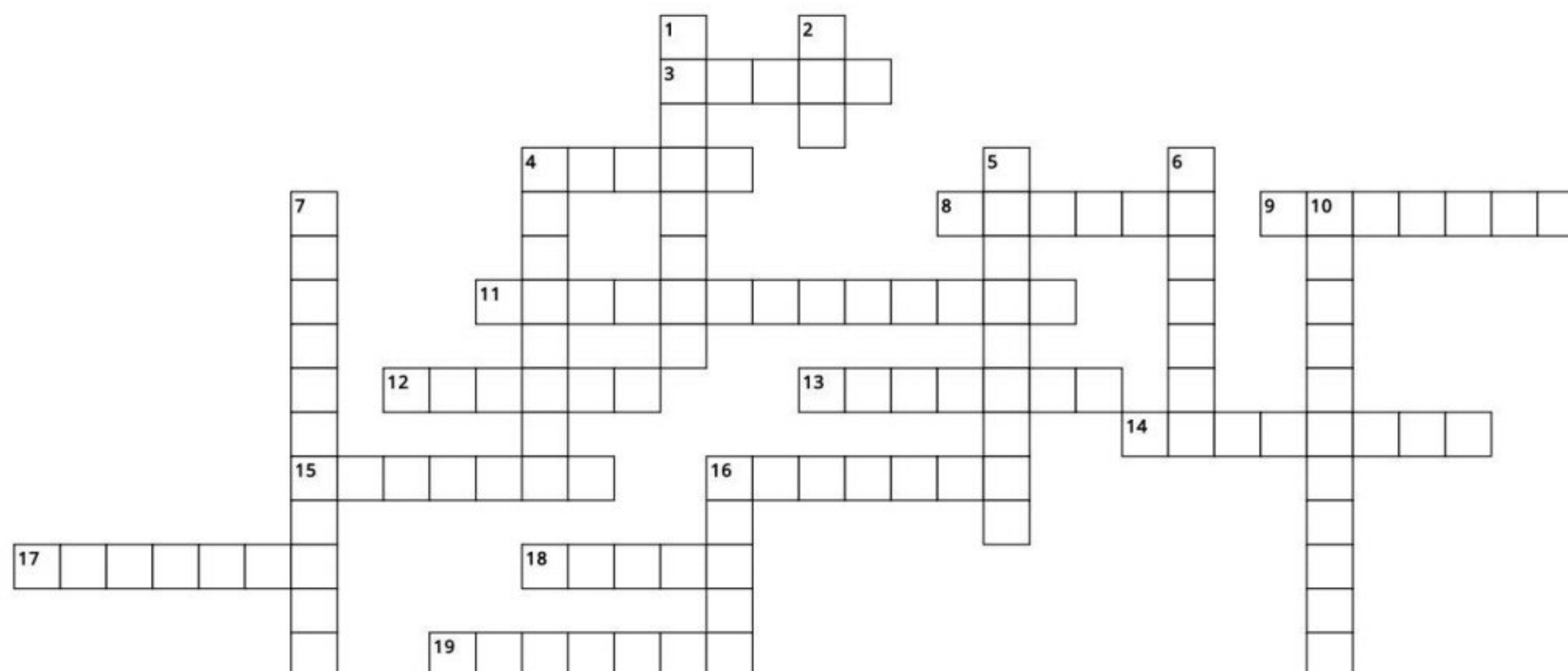
- (1) Simple aquatic animals with porus body. without true tissue
- (2) Soft bodied animals often with hard shell. including snails.
- (3) Animals with streamlined body and cartilaginous endoskeleton Placoid scales are present
- (4) Forelimbs are modified into wings. having feathers and pneumatic
- (5) Dorso-ventrally flattened body flat worms Mostly endo-parasite with flame cell
- (6) Circular in cross-section-roundworms. Bilaterally symmetrical triploblastic & pseudocoelomate animals.

Horizontal

- (1) Marine animal with organ system level of organization water vascular system is present. Like starfish
- (2) Largest phylum of invertebrates with jointed Limbs & exoskeleton, including insects
- (3) Marine animals Known by rows of ciliated combs comb jellies character shows bioluminescence
- (4) Metamerically segmented triploblastic, coelomate animals including *Nereis* sp.

BSC 3RD YEAR ZOOLOGY

DNA



Across

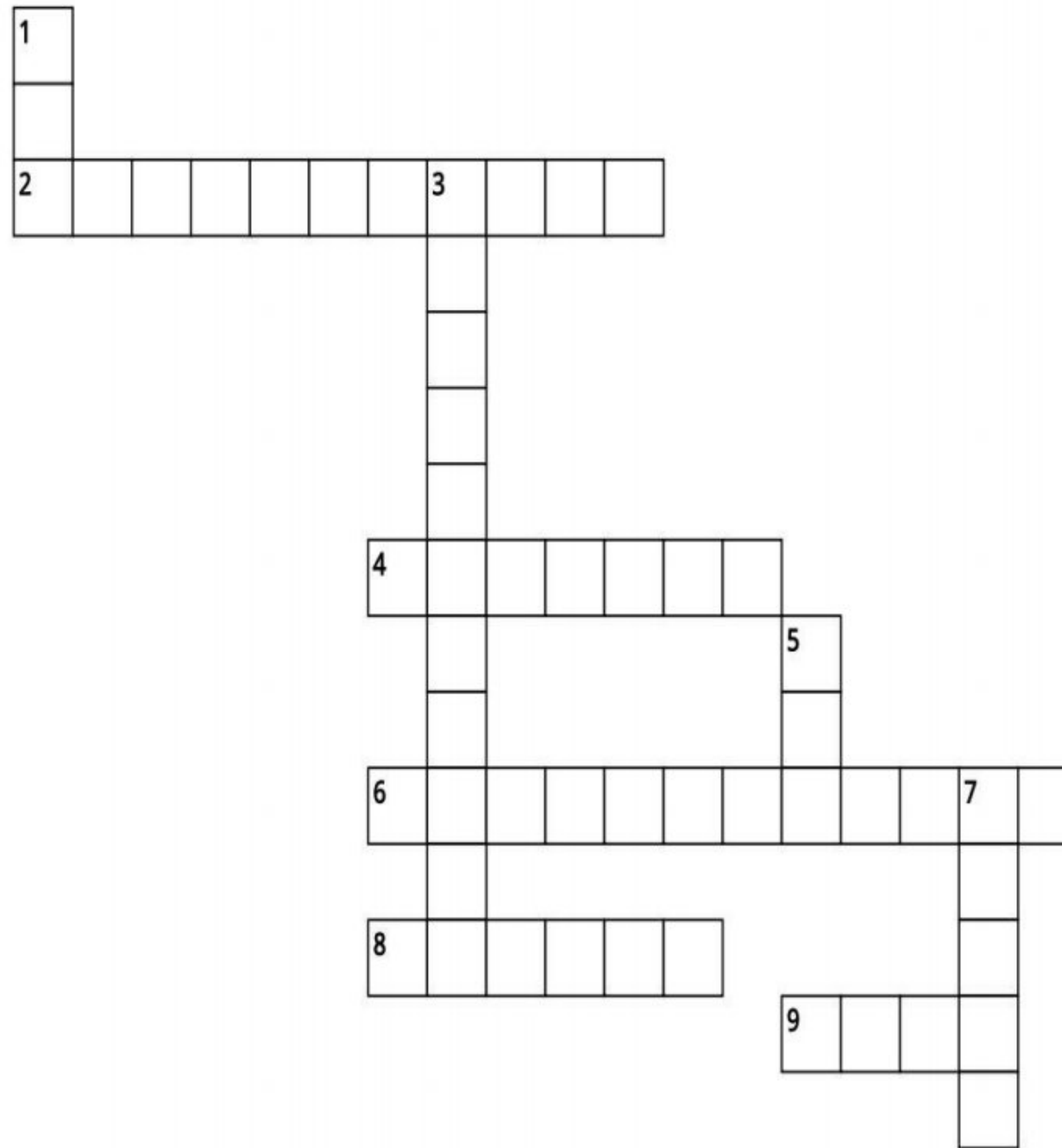
3. Sections left after RNA splicing
4. DNA shape
8. Enzyme that joins Okazaki fragments
9. Final product of Central dogma
11. Process of copying DNA into mRNA
12. Location where DNA replication begins
13. RNA processing part removed sequences
14. Enzyme that unzips DNA
15. DNA base pair with Thymine
16. Shortest Amino acid
17. Short DNA segments on the lagging strand
18. Set of three mRNA bases for an Amino acid
19. Small RNA sequences that start DNA synthesis

Down

1. Enzyme that unwinds the double helix
2. Molecule that carries genetic information
4. Bond between DNA strands
5. Protein-building site in cells
6. Type of bond between Amino acid
7. Conversion of mRNA to protein
10. Process of making a DNA copy
16. Genetic blueprint

NAME- MD SAHAB ALAM
 ROLL- MIC242017

BIOTECHNIQUE



Across

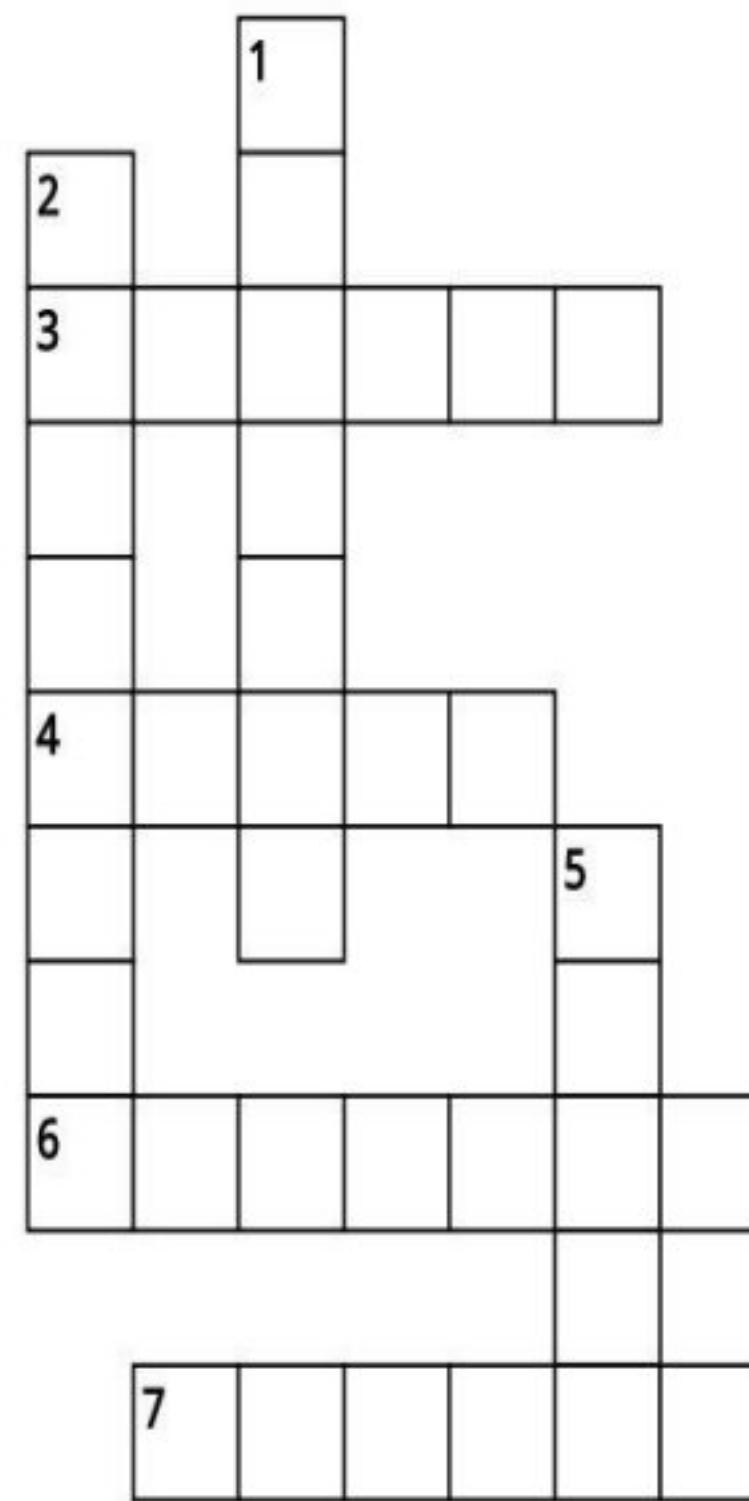
- 2. The enzyme used to cut DNA at specific sequences.
- 4. A circular piece of DNA used to transfer genes into cells.
- 6. The study of microscopic organisms, often used in biotech.
- 8. A type of protein that speeds up chemical reactions.
- 9. therapy, a technique that modifies genes to treat or prevent diseases.

Down

- 1. A molecular technique used to amplify DNA.
- 3. The process by which cells make proteins from RNA instructions.
- 5. An organism whose genome has been altered using biotechnology.
- 7. The scientific study of heredity and genes.

NAME- SAHABUDDIN ISLAM,
ROLL- MIC242015,

UNIQUE ANIMALS



Across

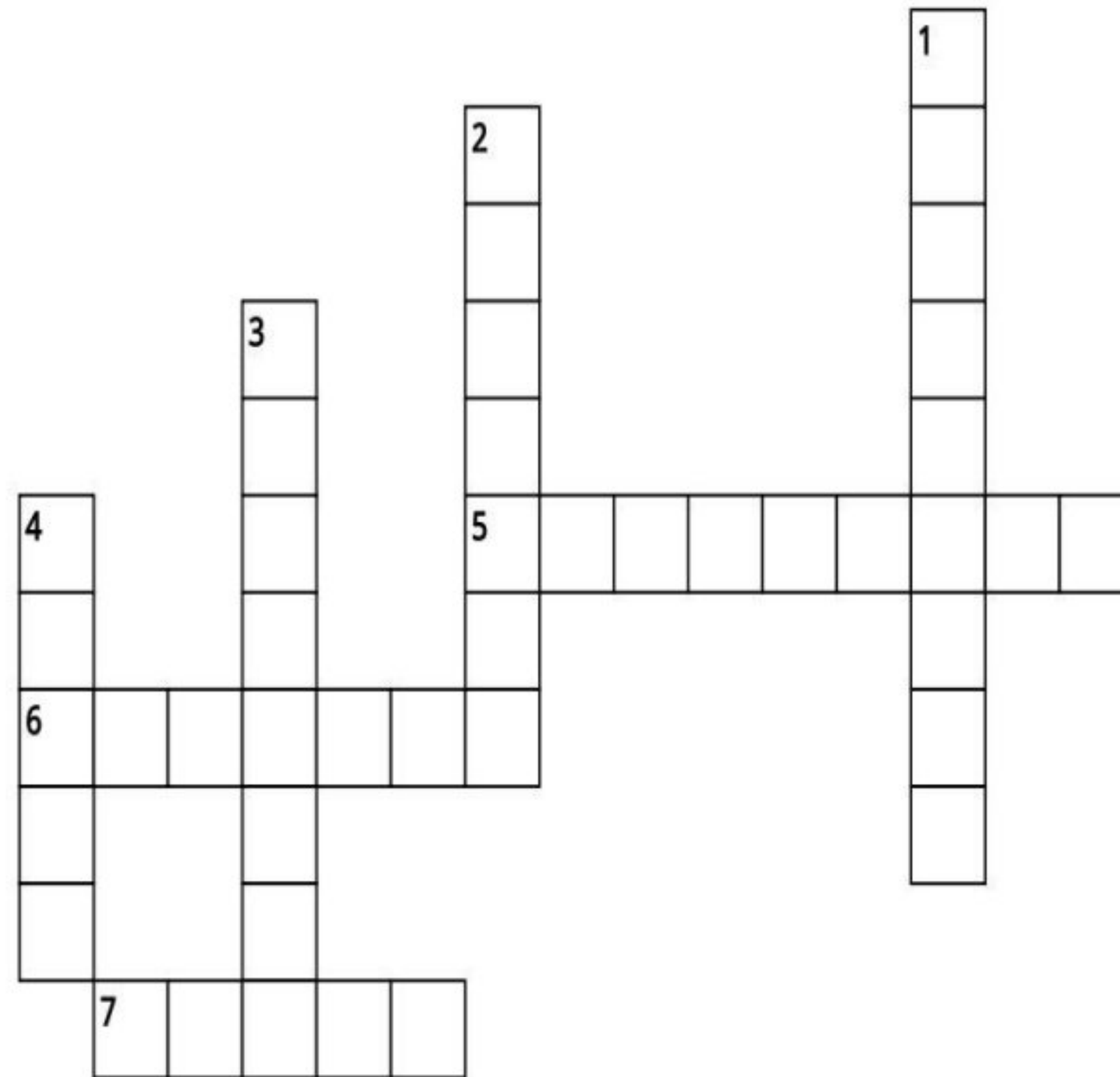
- 3. This "walking fish" is known for its regenerative abilities
- 4. This creature looks like a mix between a giraffe and a zebra
- 6. This animal's spiral tusk gives it the nickname "unicorn of the sea"
- 7. A nocturnal lemur from Madagascar with a long middle finger for foraging

Down

- 1. small, friendly Australian marsupial with a constant "smile"
- 2. This nocturnal mammal has protective scales made of keratin
- 5. Resembling seaweed, this fish is native to Australia and can camouflage effortlessly

NAME- SAMIUL ISLAM
 ROLL- MIC242007

UNIQUE ANIMALS 2



Across

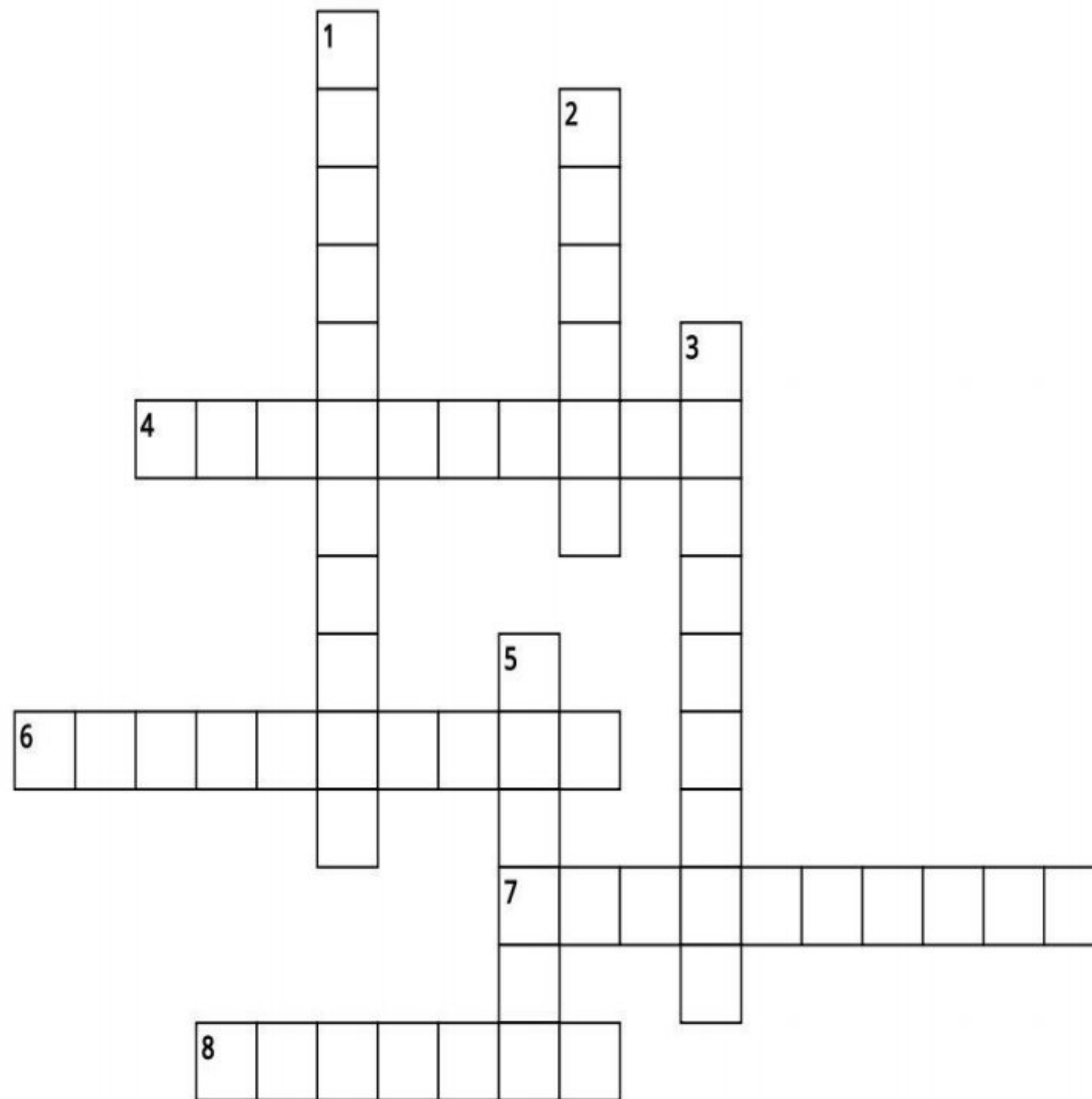
- 5. This small, nocturnal mammal is known for its ability to fly short distances, thanks to its patagium
- 6. This animal, often called a "sea cow," is a large herbivore that lives in shallow waters
- 7. This slow-moving mammal is known for spending most of its life hanging upside down in trees

Down

- 1. A deep-sea creature known for its transparent body, it can be as large as a small car
- 2. This animal has the longest neck of any land animal
- 3. This Australian marsupial is known for its distinct hopping locomotion
- 4. This animal from Madagascar has a long, bushy tail and a unique vocalization

NAME- SUHANA KHATUN
 ROLL- MIC242018

IMMUNOLOGY 1



Across

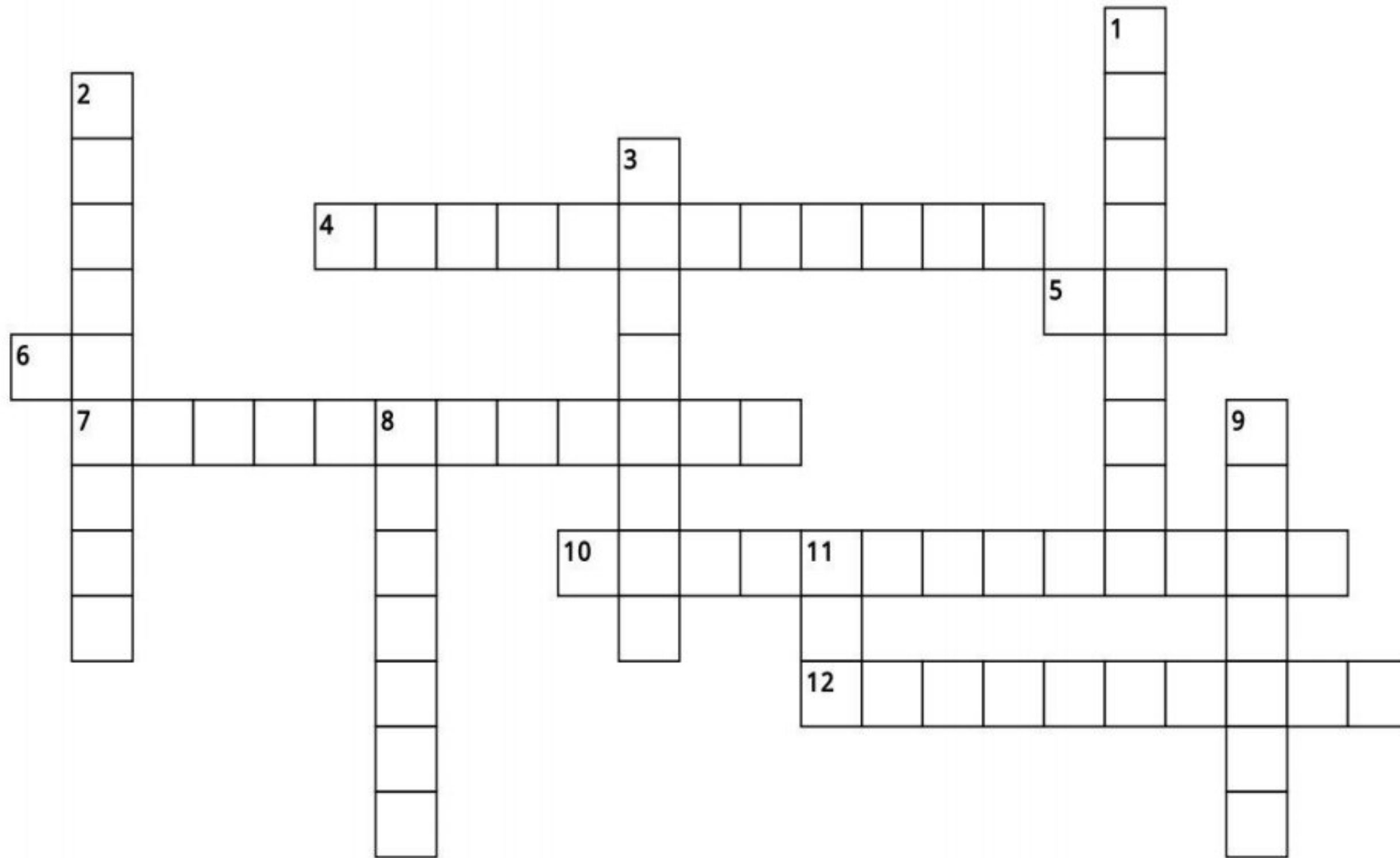
- 4. A condition where the immune system attacks its own body.
- 6. The system of proteins that helps antibodies clear pathogens.
- 7. Proteins produced by B cells to neutralize antigens.
- 8. A molecule that triggers an immune response.

Down

- 1. White blood cells responsible for immunity.
- 2. An immune organ located in the chest, where T cells mature.
- 3. Cells that present antigens to T cells.
- 5. The first line of defense against pathogens.

NAME- SAHABUDDIN ISLAM
ROLL- MIC242015

IMMUNOLOGY 2



Across

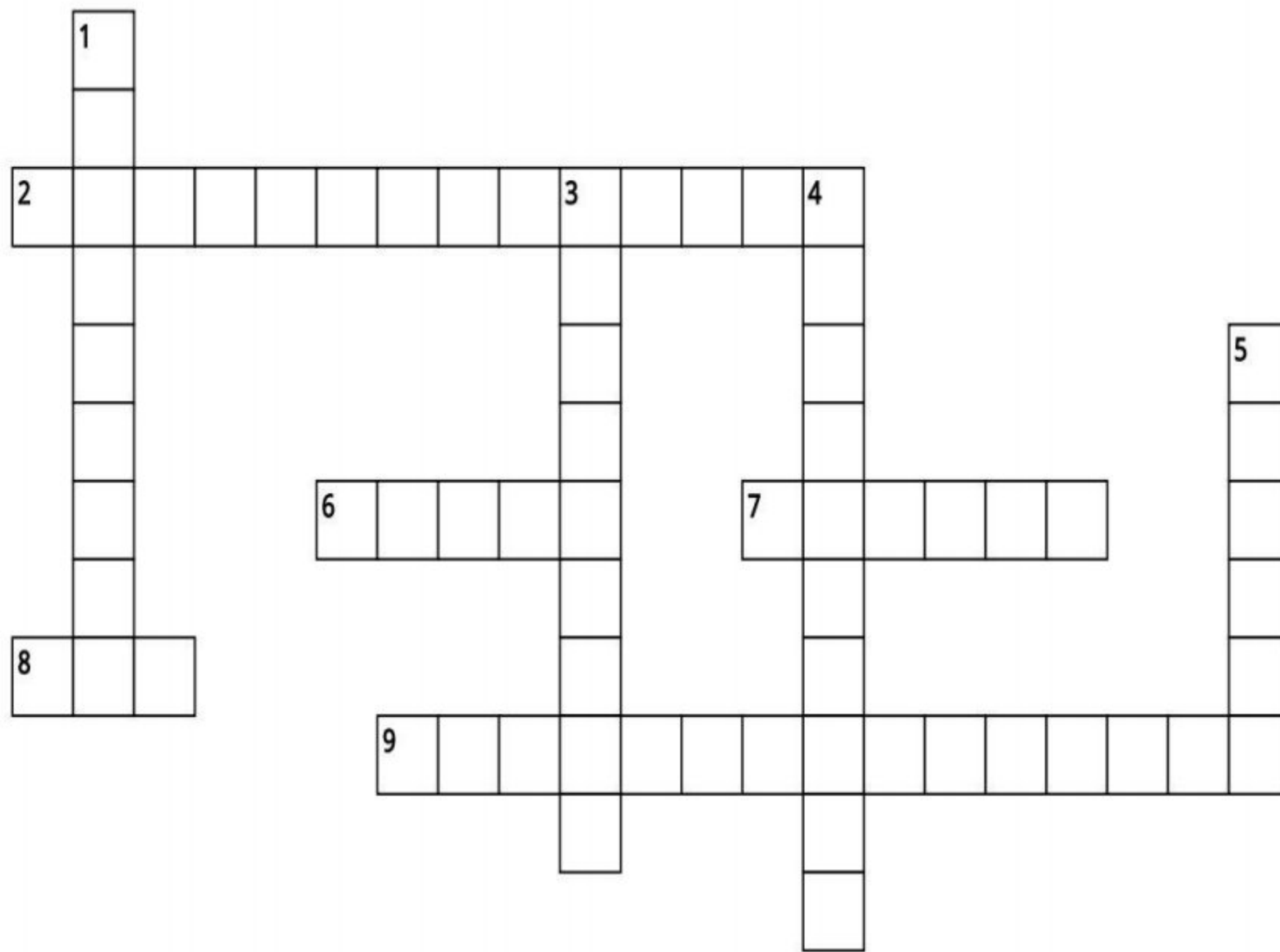
- 4. A process where immune cells engulf pathogens or debris.
- 5. A molecule on the surface of cells that presents antigen fragments to T cells.
- 6. Cells that kill virus-infected or cancer cells without prior activation.
- 7. The inflammatory response to infection or injury caused by the innate immune system.
- 10. The process of generating blood cells, including immune cells.
- 12. Specialized T cells that suppress immune responses to maintain self-tolerance.

Down

- 1. The part of the adaptive immune system where memory is formed.
- 2. Small signaling proteins released by cells to communicate during an immune response.
- 3. The type of immunity acquired after an infection or vaccination.
- 8. The overreaction of the immune system to harmless substances.
- 9. The region of an antigen that is specifically recognized by antibodies.
- 11. The receptor on T cells that recognizes antigens.

NAME- MD SAHAB ALAM
 ROLL- MIC242017

BIOINFORMATICS



Across

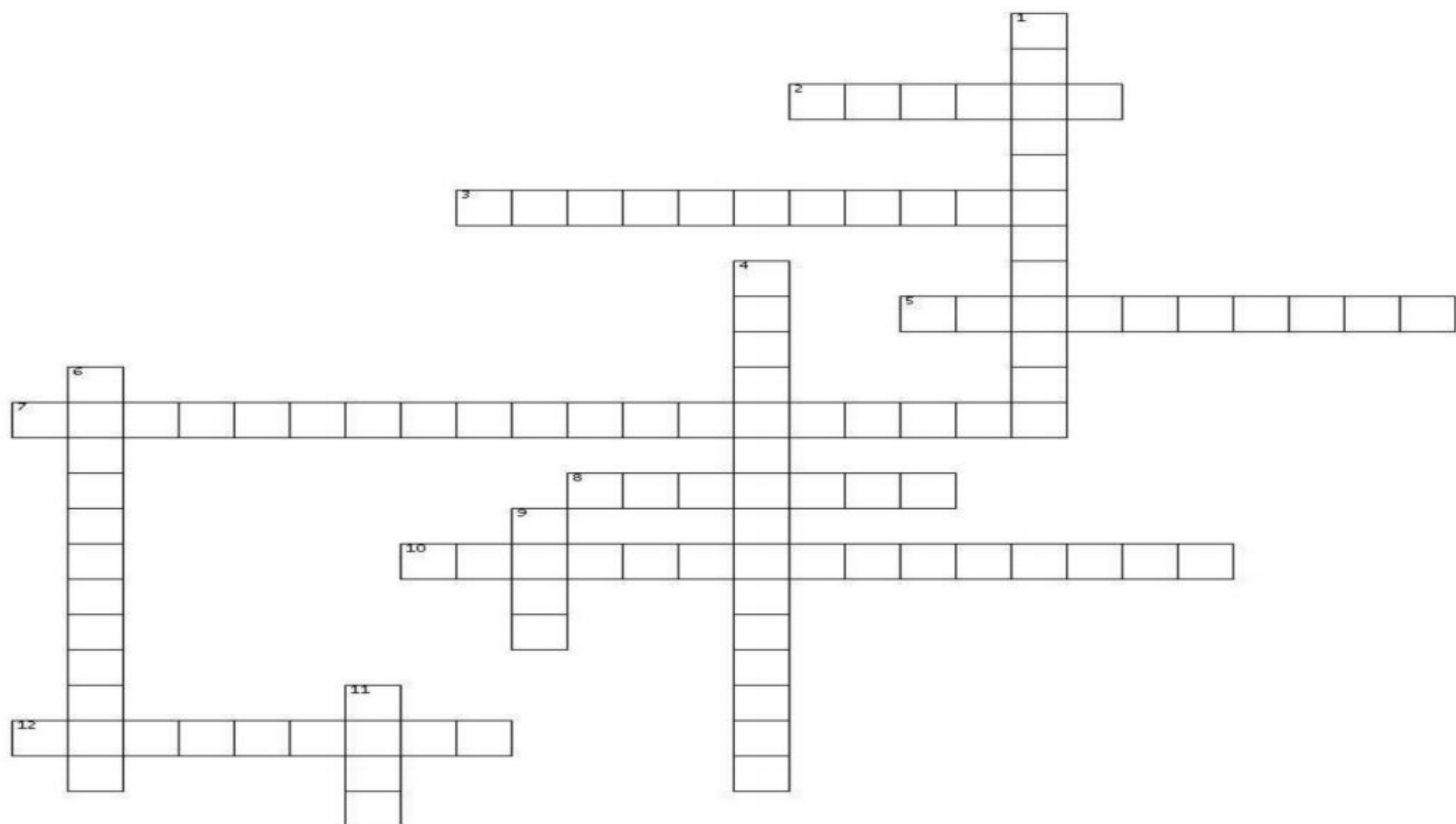
2. The field that integrates biology, computer science, and mathematics.
6. A three-letter sequence in mRNA that codes for an amino acid.
7. The complete set of genetic material in an organism.
8. A repository of publicly available DNA sequences.
9. The study of gene expression through RNA.

Down

1. The structural unit of proteins.
3. A computer-based method used to align DNA or protein sequences.
4. Process of determining the sequence of nucleotides in DNA.
5. Proteins that catalyze chemical reactions in cells.

NAME- MD SAHAB ALAM & SAHABUDDIN ISLAM
 ROLL- MIC242017, MIC242015

ELECTROPHORESIS



ACROSS

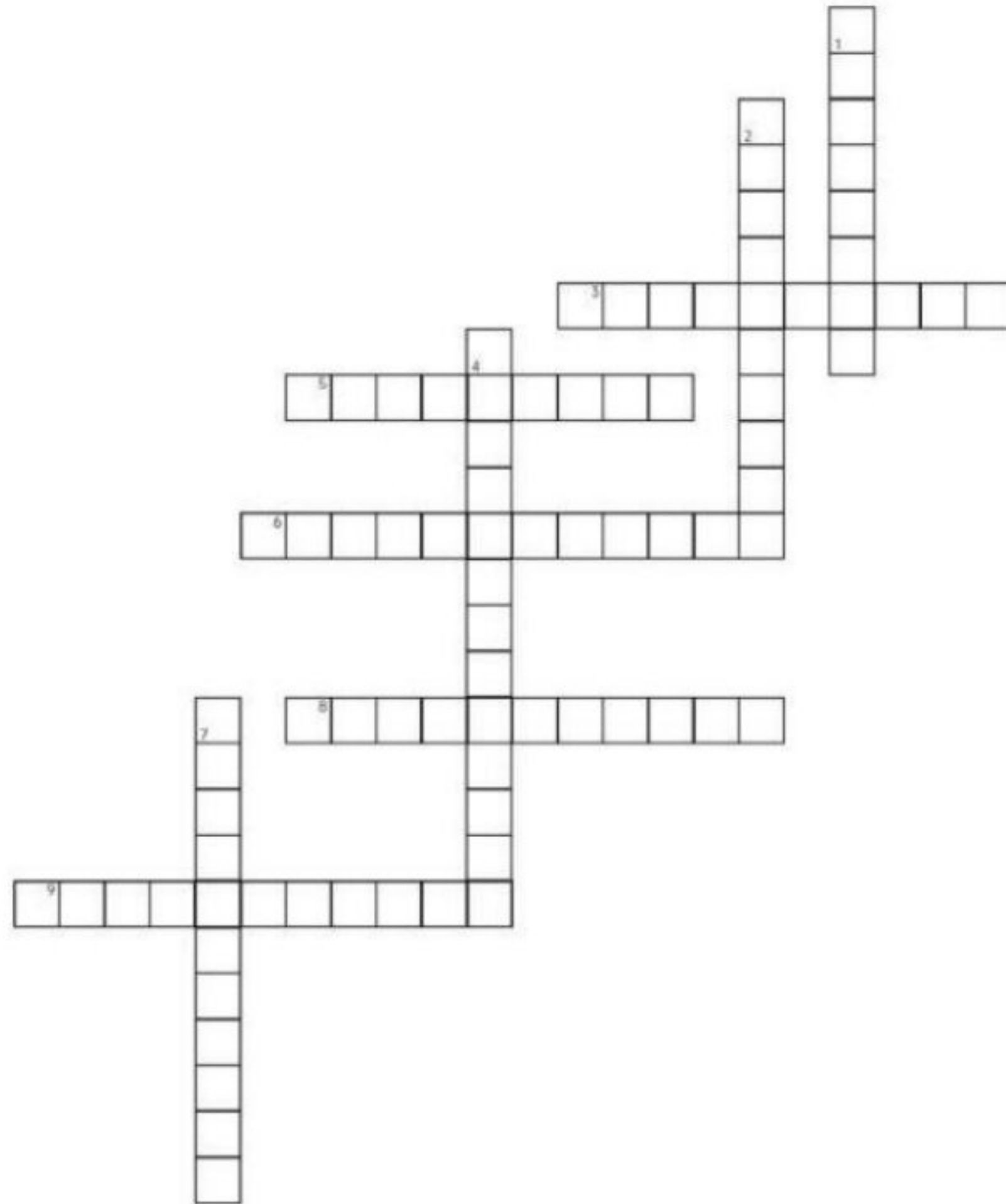
5. What type of gel is commonly used for DNA electrophoresis?
8. Sodium dodecyl sulfate is an _____ detergent.
10. Which dye is used as a faster- migrating marker in DNA/RNA electrophoresis?
7. Name the compound used as reducing agent to break disulfide bond of protein in SDS-PAGE.
2. The polysucrose based medium Commonly used as a density stabilizer in Gel electrophoresis is known as ...
3. Which buffer used for separation of Protein ?
12. Used to mold and hold the gel in a Place during electrophoresis.

DOWN

11. It's act as an intercalating agent in gel electrophoresis.
6. Provides higher resolution for protein separation in SDS-PAGE.
4. The process of separating charged particles in an electric field called ..
1. Which tracking dye is used in combination with bromophenol blue?
9. This device used to create wells in a gel for loading dye.
11. It's act as an intercalating agent in gel Electrophoresis.

NAME- FARHIN SULTANA
 ROLL-MIC242012

All about 'sea'



Down

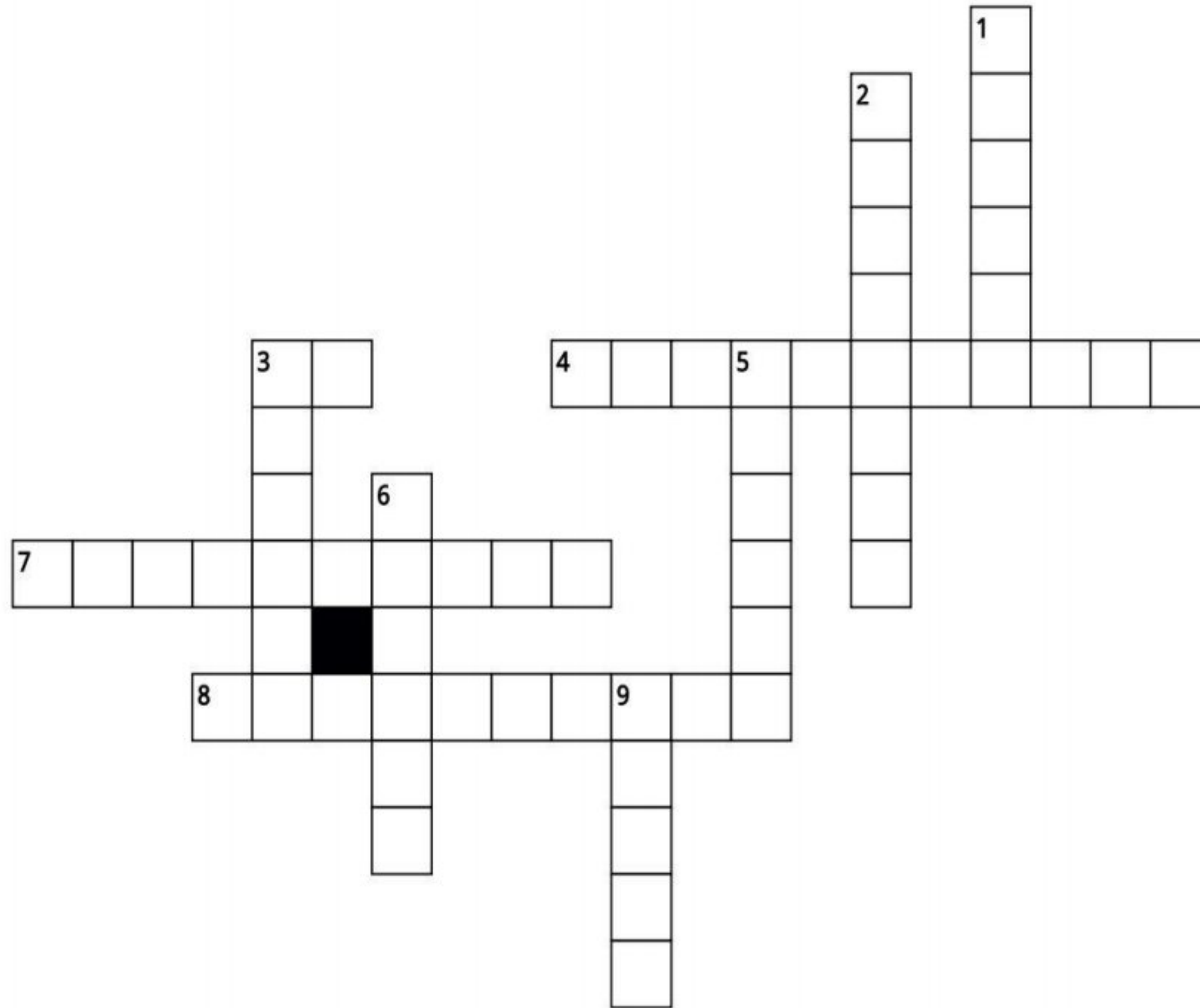
1. sea fans or sea whips (8)
2. Sea anemones (10)
4. Sea cucumber (13)
7. Sea butterflies (11)

Across

3. Sea urchins (10)
5. sea lily (9)
6. Sea pen or sea feather (12)
8. Sea horses (11)
9. Sea angel
Animal (11)

NAME- AYAN JANA
ROLL- ZOO242015

VIRUS



Across

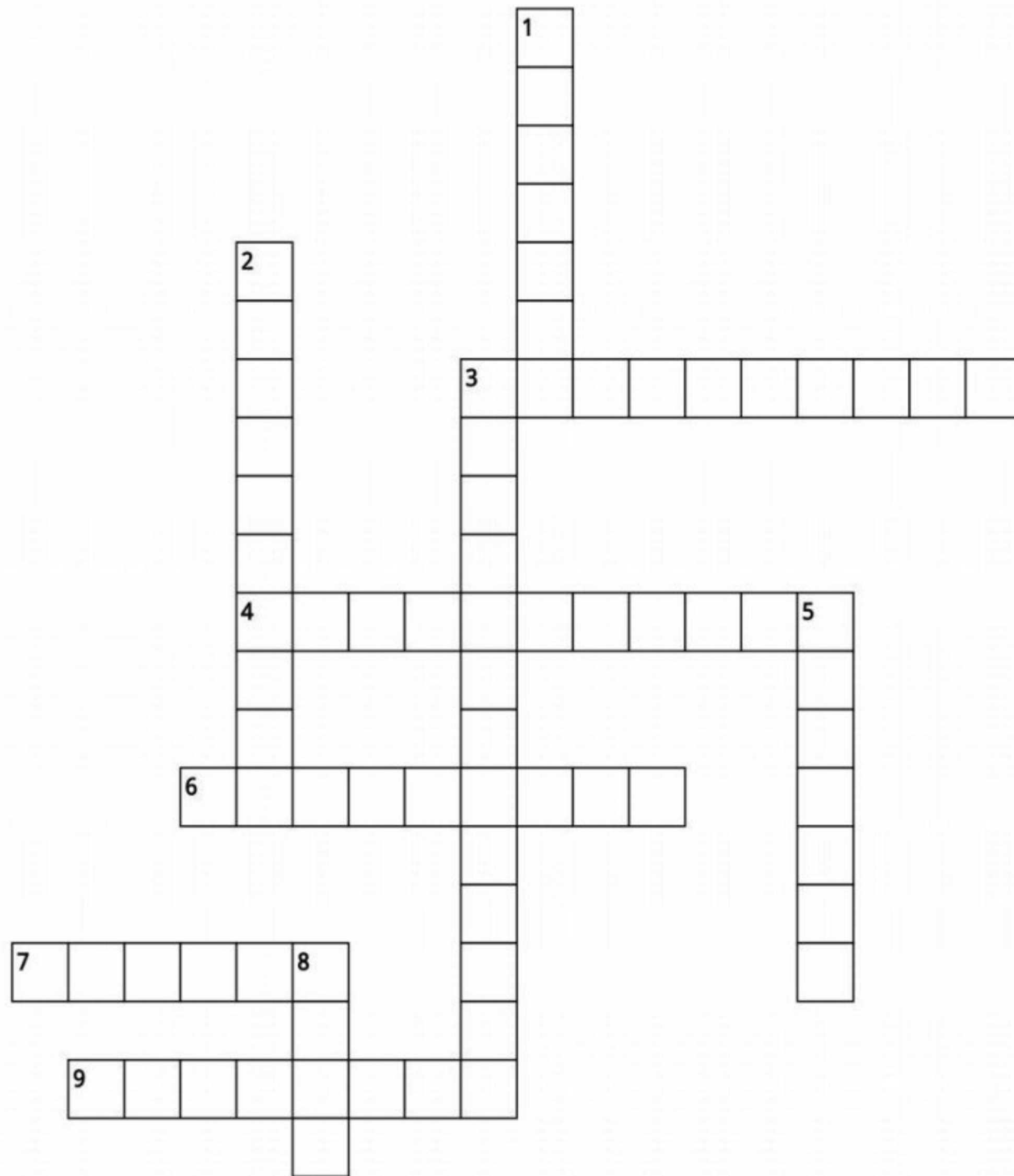
3. Which phage exhibit non-integrative lysogeny:
4. The only structural and pattern that has been found among isometric viruses is:
7. The smallest virus replicating autonomously in Eukaryotic cells:
8. Severe acute respiratory syndrome Coronavirus 2 is caused by a

Down

1. Infectious RNA particles without protein coat is called:
2. Viral genome incorporated into host DNA is called
3. Proteins only hypothesis proposed by Prusiner was for
5. Glycoprotein projections that serve to attach corona virus (nCoV19) to the human host are called:
6. Discovery of viroids is credited to:
9. Viroids can be destroyed by:

NAME- ABSHAAR FATIMA & UMAMAH TAHSEEN ANSARI
 ROLL- MIC242002 & MIC242016

RDT



Across

3. Biological agents acts as mutagen:
4. DNA polymerase is involved in:
6. During DNA replication in bacteria, single stranded binding ssb proteins functions as:
7. The term cistron was given by:
9. Enzyme helps in uncoiling of DNA:

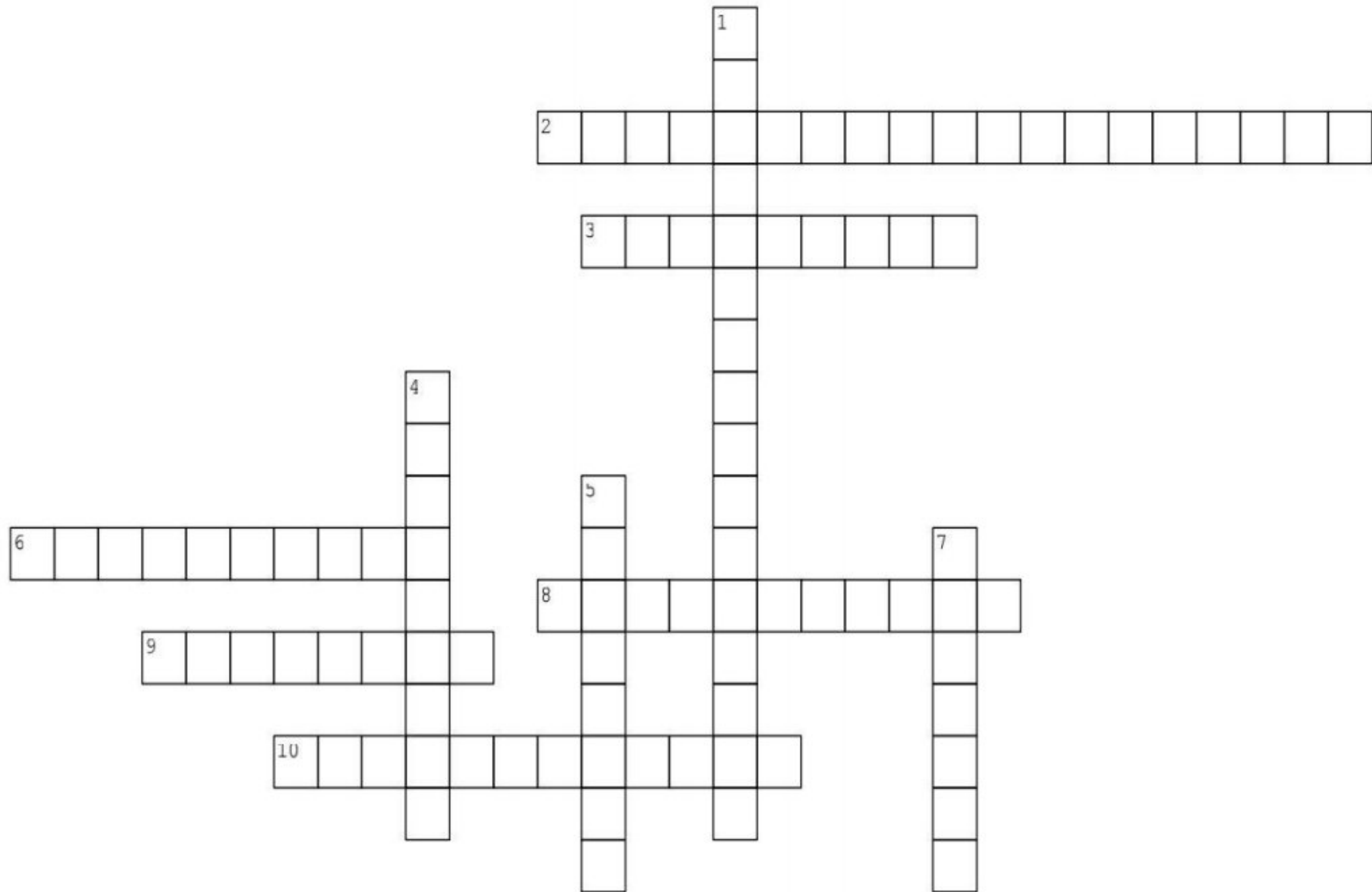
Down

1. 58 UV light causes formation of dimer in DNA:
2. Enzymes has reverse transcriptase activity:
3. Enzyme responsible for removal of Dna supercoil is:
5. Splicing takes place in:
8. Dna damage induces the protease functions of which protein:

NAME - UMAMAH TAHSEEN ANSARI & ABSHAAR FATIMA

ROLL - MIC242016, MIC242002

Our Environment



Across

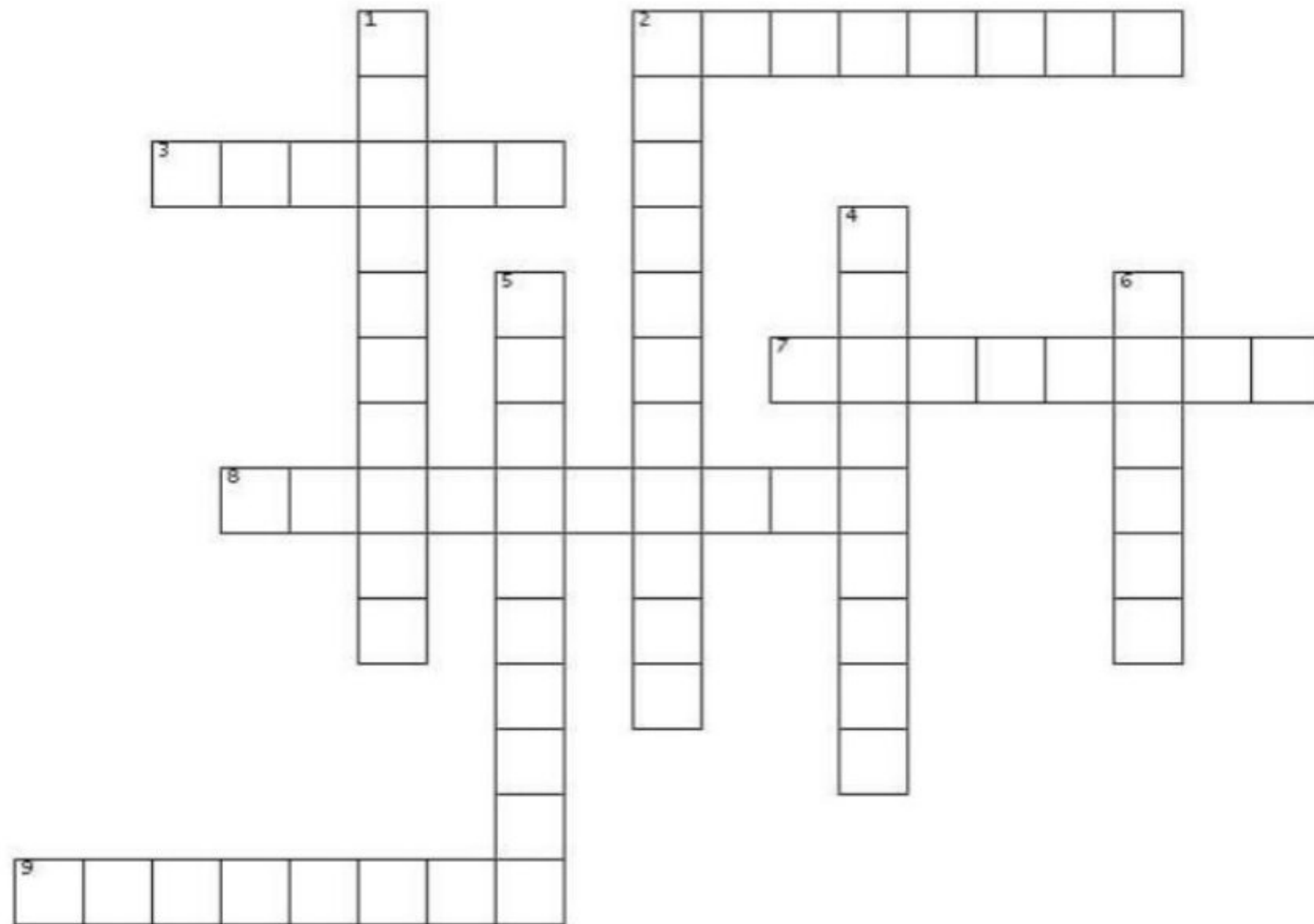
- 2. are responsible for the depletion of ozone
- 3. Which type of molecule is Ozone
- 6. the organism that prepare their own food are called as
- 8. Ozone layer protects the earth from the radiation is
- 9. At each trophic level the quantum of available energy in a food chain successively.
- 10. is the process of buring the wastes at high temperatures

Down

- 1. Accumulation of non-biodegradable harmful substances in human beings and other animals is called
- 4. A self supporting unit of living organisms and their non-living environment is called
- 5. choke drains which results in water logging
- 7. gas is being added at the atmosphere by cattle shed

NAME- AASIFA ERAM
 ROLL-BOT242005

PLANT TAXONOMY PHYLUM



Across

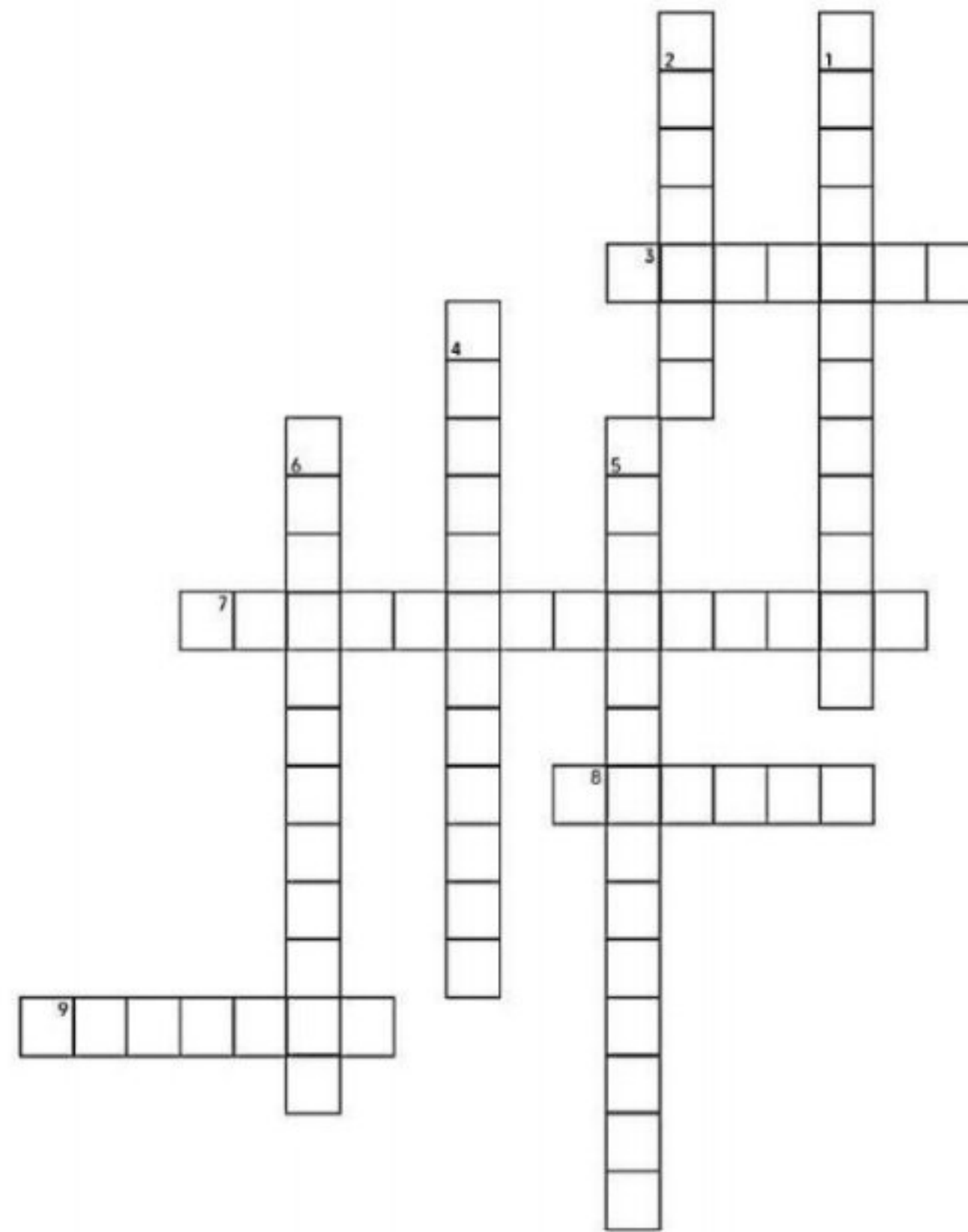
2. Found in wetlands and are important for peat formation .
3. Commonly known as a fern , antherozoids are multiflagellate.
7. Known as cord moss and has a distinctive capsule structure.
8. It's sporophytes have a horn- like structure, found in damp soil.
- 9.The sporophyte is homosporous synangium and rhizoids are present.

Down

- 1.The thalus has tiny cup – like structure called gemma cups which contain gemmae.
2. Known as spike moss and the sporophyte is heterosporous.
4. Known as horsetail, homosporous, sporangia are born on strobili.
5. Leaves are also called microphyllus and they produce only one kind of spore , homosporous.
6. An aquatic liver wort often found floating in ponds and aquariums.

NAME – JAMIMA KHATUN.
ROLL- BOT242012.

Branches of Biology



Down

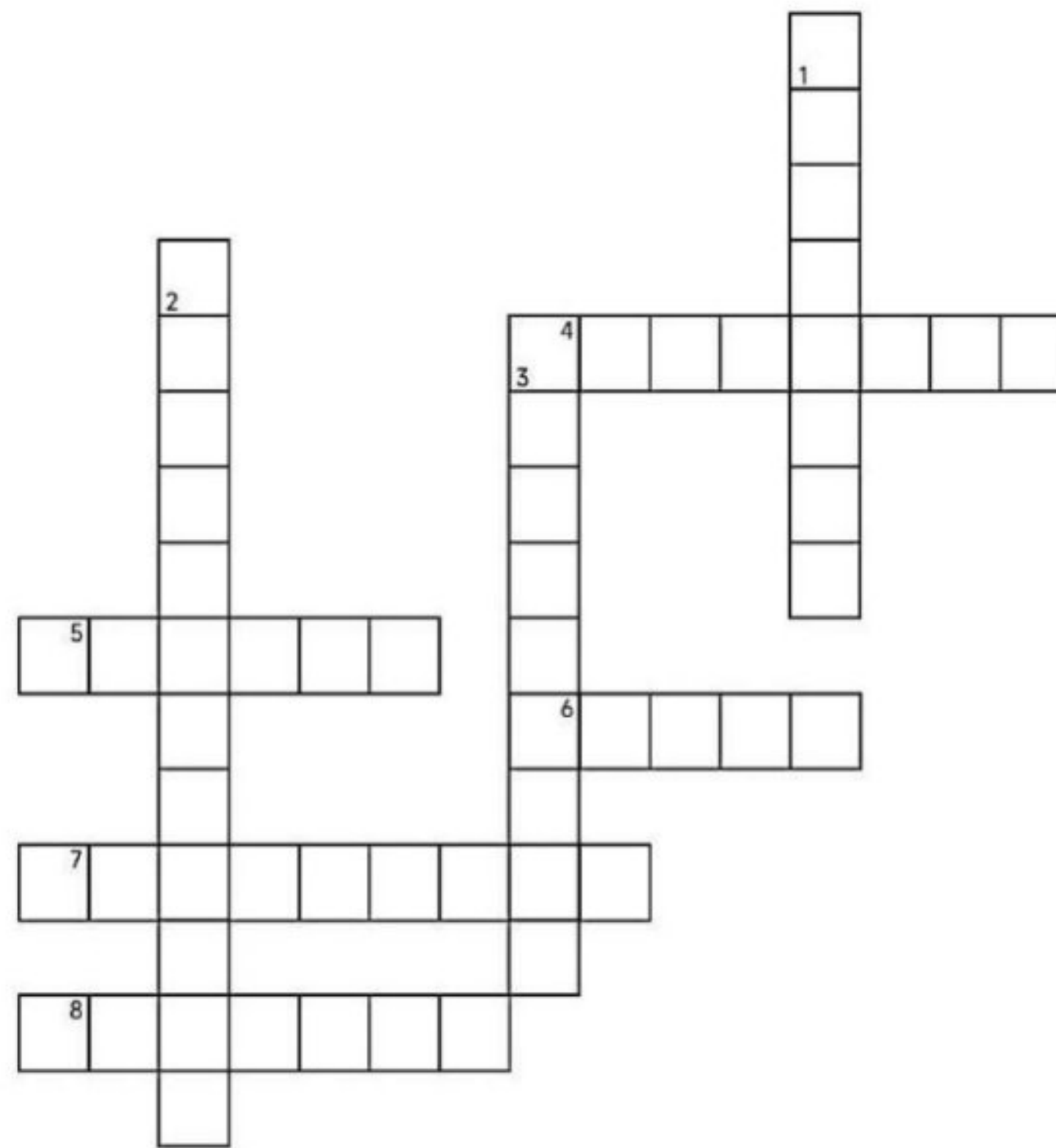
1. The study of the evolution and distribution of life in the universe (12)
2. The study of the internal structure of organisms (7)
4. The study of chemical processes and substances in living things (12)
5. The use of information technology to study, store, and collect biological data (14)
6. The study of microorganisms, such as bacteria, fungi, viruses, and algae (12)

Across

3. The study of animals (7)
7. The study of marine life and ecosystems (14)
8. The study of plants (6)
9. the study of the relationships between living organisms, including humans, and their physical environment (7)

NAME- AYAN JANA
ROLL- ZO0242015

Ecological succession



Down

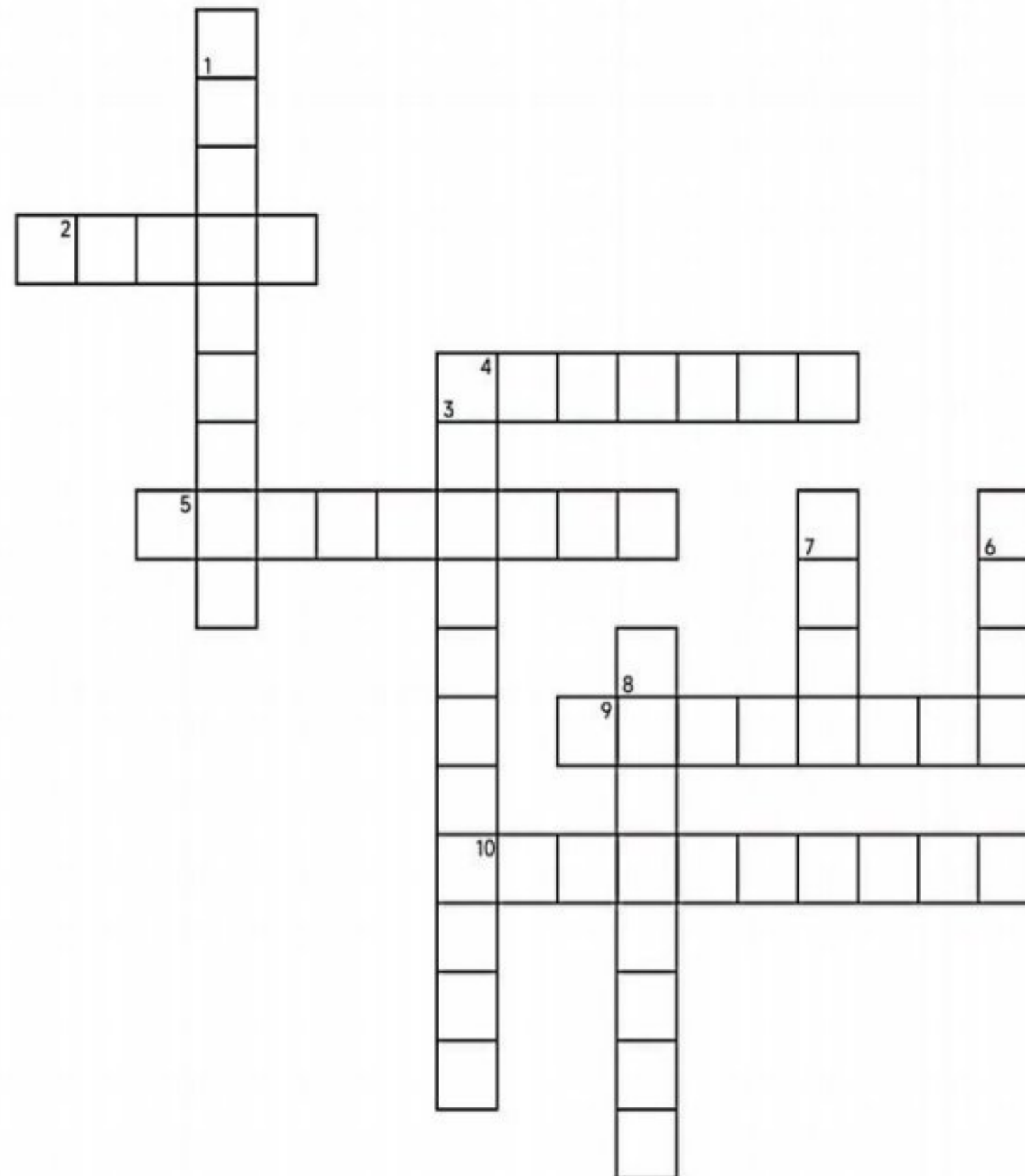
1. Succession in dry habitat (8)
2. process where one species helps the establishment and growth of another species (12)
3. Succession in aquatic habitat (9)

Across

4. Succession starting in saline soil or water (8)
5. The stable, final community that results from succession (6)
6. The intermediate stages of succession, between the pioneer community and the climax community (5)
7. Succession on a bare rock surface. (9)
8. The first organisms to colonize an area during primary succession (7)

NAME-AYAN JANA
ROLL- ZO0242015
TOPIC- ECOLOGICAL SUCCESSION

NERVOUS SYSTEM



Down

1. the structure that connects the cerebrum of the brain to the spinal cord and cerebellum (9)
3. reflex action is controlled by (11)
6. _____ is a small oval structure present above the medulla oblongata (4)
7. Structure carries electrical message away from a neuron cell body is called (4)
8. Which is the largest part of your brain (8)

Across

2. The _____ and spinal cord are the central nervous system (5)
4. The junction between two adjacent neurons (7)
5. the receiving or input portions of a neuron, which are usually short, narrow and highly branched structures (9)
9. What is the protective covering of the brain and spinal cord called (8)
10. Which brain area co-ordinate skeletal muscle moments (10)

NAME- FATEMA
ROLL-ZOO242014

CRYPTOGRAM

CRYPTOGRAM

M O N S R
3 2 4 1 8 8 1 6 9 5 2 19 3 19 9 1 10

E C T O I
17 22 10 9 1 4 22 2 17 10 4 17 19 8 13 14 2 13 10

 A
8 5 10 9 1 17 22

CRYPTOGRAM

L K P O U
3 5 5 11 20 7 7 1 17 12 14 5 12 22 14 6 9 7

A T O L
22 12 20 14 2 7 12 10 5 6 29 17 15 15

N T D R N
6 12 20 7 9 8 14 22 12 20 7 25 7 9 10 14 2 17 12 4

 T T
13 7 14 14 7 9

By- Albert Einstein

CRYPTOGRAM

$\frac{D}{7\ 10\ 4}$ $\frac{I}{1\ 15}$ $\frac{E}{13\ 3\ 8}$ $\frac{B}{17\ 5\ 19\ 8\ 11\ 14\ 1\ 10\ 13}$
 $\frac{L}{16\ 2}$ $\frac{L}{5\ 1\ 2\ 8}$ $\frac{C}{9\ 16\ 10\ 13}$ $\frac{A}{4\ 1\ 10\ 15}$
 $\frac{T}{13\ 3\ 8}$ $\frac{N}{1\ 10\ 15\ 13\ 14\ 19}$ $\frac{C}{9\ 13\ 1\ 16\ 10\ 15}$ $\frac{EE}{10\ 8\ 8\ 7\ 8\ 7}$
 $\frac{B}{13\ 16}$ $\frac{I}{17\ 19\ 1\ 5\ 7}$ $\frac{A}{4\ 10\ 7}$ $\frac{A}{12\ 4\ 1\ 10\ 13\ 4\ 1\ 10}$
 $\frac{RG}{4\ 10}$ $\frac{I}{16\ 14\ 6\ 4\ 10\ 1\ 15\ 12\ 15}$

By - Francis Crick

CRYPTOGRAM

$\frac{O}{2\ 13\ 17\ 5}$ $\frac{R}{7\ 13\ 1\ 2}$ $\frac{B}{5\ 8\ 12\ 13\ 11\ 10\ 15\ 16\ 8\ 9}$
 $\frac{A}{6\ 10\ 1}$ $\frac{T}{6\ 26\ 26\ 6\ 12\ 18\ 9}$ $\frac{K}{14\ 6\ 5\ 19\ 3\ 17\ 20}$ $\frac{L}{4\ 6\ 26\ 14\ 13\ 4\ 8\ 10\ 9}$

NAME- MD SAHAB ALAM
 ROLL- MIC242017

RIDDLES

Q1. I am the control center of the cell, where DNA is stored What am I?

Q2. I am the green pigment that helps plant grow, absorbing light, don't you know what am I?

Q3. I am the part of the plant that drinks and eats, bring the water and nutrients to its treats.
What am I?

Q4. I am the web of life that connects us all, showing What relationships big and small. What am I?

Q5. I am the code that determines traits so fine, composed of nucleotide in a twisted vine. What am I?

Q6. I am the organ that filters waste with care compare, keeping blood clear, beyond compare.
What am I?

Q7. I am the tiny king, with a mighty roar, causing diseases, forever more. What am I?

Q8. I am the invader, with stealthy creep, Making copies while the host sleep. What am I?

Q9. I am the molecules of life's energy need converting glucose, indeed. what am I?

Q10. I am the technique that clones with precision, creating copies, without division. What am I?

Q11. I'm the organ that filters thoughts so bright, controlling emotions, day and night. What am I?

Q12. I am the process of growth, development and repair, building tissues, without a single care. What am I?

NAME- WAJHATOON NESSA

ROLL- MIC242004

UNSCRAMBLE WORDS MSC 1ST YEARS

1. GTIENRON-

2. EMYZNE –

3. SYTCKOLEONET-

4. AEILS –

5. SISMOTI –

6. CETGIEN –

7. KOROTAPCRY-

8. DSAMLIP-

9. ROGASEA-

10. SLRTAPHCOLO-

11. LSYGOCILYS-

12. NIPLNIECIL-

13. NAPHTOGE-

14. CLUTERU-

15. KOROTAPCRY-

16. GIFUN-

17. SUVRI

18. ATONIUMT-

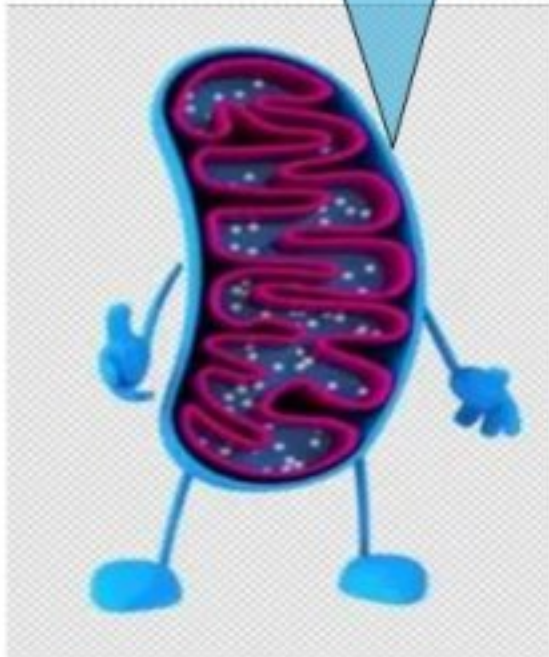


- 19.LNTEIBOA
- 20.OOMCRCMHRSO
- 21.IOMOTCOHTRDNA
- 22.LOMCLEUSE
- 23.LUSOELCLE
- 24.CSMROOEICP
- 25.TINBIOCIAT
- 26.GMNIMOULYO

NAME- MD SAHAB ALAM & WAJHATOON NESSA
 ROLL- MIC242017 & MIC242004


MIND GAME MSC 1ST YEARS

1).

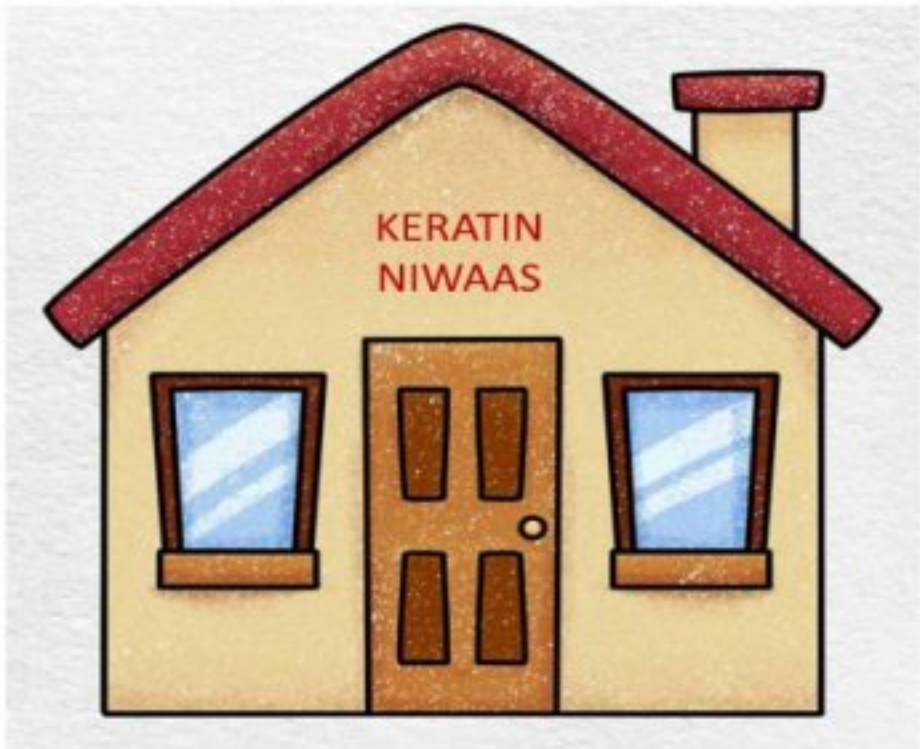
Hey! Chloroplast
Do you remember how we originated?

2).



Who am I ?



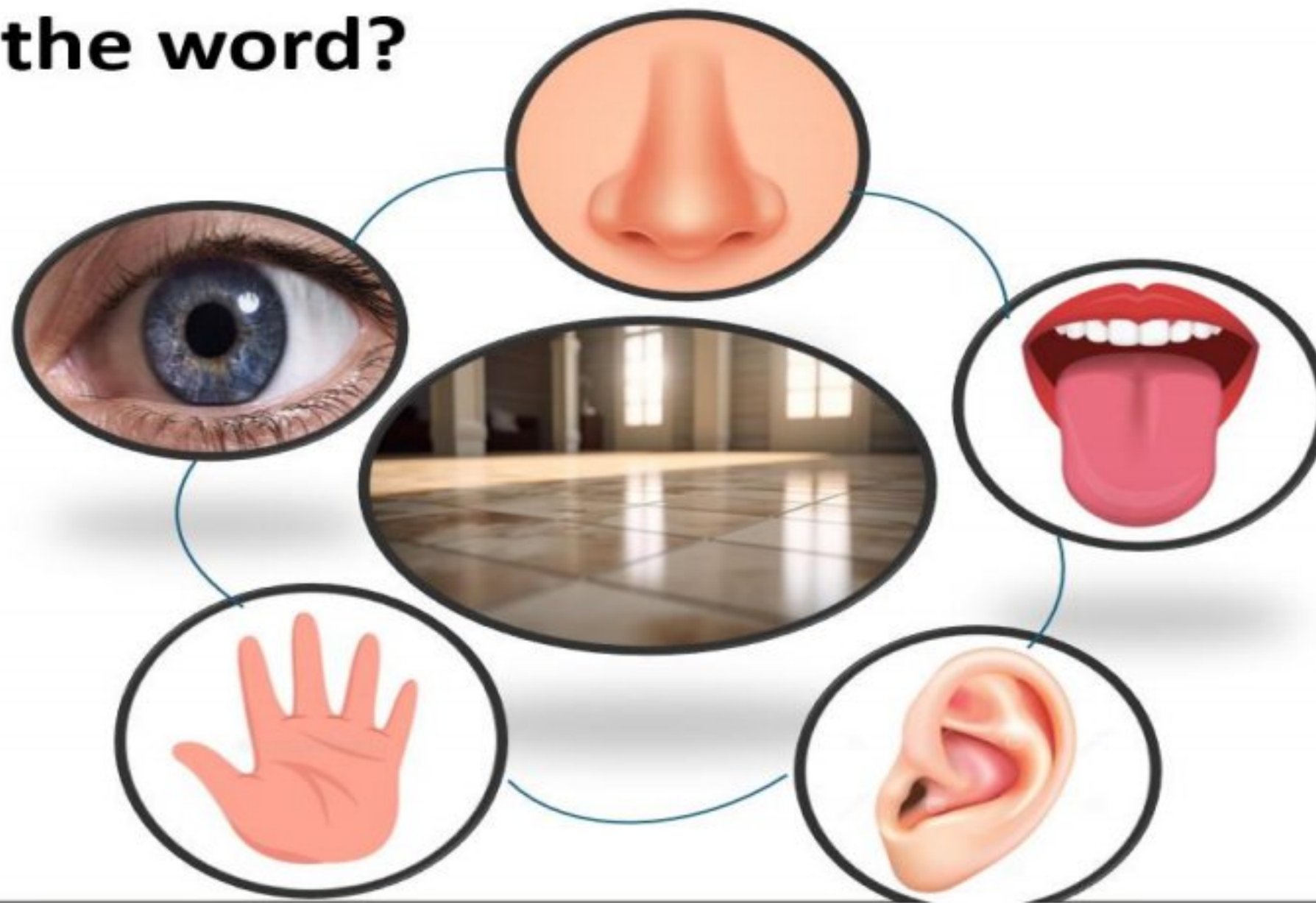
3). Find The word



+



4). Find the word?



5). Find the word....



+



6). Guess, who am I ?

- I live in the water,
- My leaves can lift you up,
- One of my family members is the identity of BJP.

NAME- SUMAIYA PRAVEEN

ROLL- BOT242002

STREAM- BOTANY

FIND THE WORD(HARMONE)

INSTRUMENTS OF MICROBIOLOGY

I	C	E	N	T	R	I	F	U	G	E	O	E	O
W	R	R	A	R	H	O	R	I	H	T	M	X	B
O	O	B	E	N	S	H	R	S	P	R	I	R	P
L	S	I	B	I	R	E	I	H	V	A	C	E	U
F	U	R	P	C	K	D	A	F	O	U	R	T	A
R	P	S	X	A	I	S	E	I	R	T	O	E	R
A	F	I	H	R	E	R	O	I	T	O	S	M	E
N	E	S	T	G	C	A	I	H	E	C	C	H	E
I	E	E	E	H	S	M	P	I	X	L	O	P	S
M	P	R	C	F	C	X	R	S	M	A	P	O	S
A	M	R	S	S	C	O	I	D	I	V	E	U	M
L	P	I	P	E	T	T	E	V	X	E	E	S	R
R	A	R	E	N	R	U	B	N	E	S	N	U	B
S	A	R	E	F	R	I	G	E	R	A	T	O	R

PETRIDISH
SHAKER
VORTEXMIXER
CENTRIFUGE
BUNSENBURNER
PIPETTE
LAMINARFLOW
MICROSCOPE
REFRIGERATOR
PHMETER
AUTOCLAVE

NAME- MD SAHAB ALAM

ROLL- MIC242017

HORMONE NAME

How many words can you find?

P	W	U	E	T	T	E	B	Z	L	U	Z	T	I	N
K	R	S	F	I	E	H	N	N	B	B	N	N	O	I
I	Y	O	F	R	S	X	I	I	X	N	S	M	V	C
D	A	C	G	F	T	N	E	C	M	U	G	D	V	O
M	T	O	J	E	O	J	M	T	L	A	R	K	S	T
N	Y	F	T	T	S	U	Z	I	H	Y	P	R	X	Y
K	S	G	A	E	T	T	N	J	K	Y	W	O	G	X
M	T	L	V	N	E	L	E	L	Z	I	L	S	D	O
N	E	G	J	T	R	V	T	R	S	Z	S	E	R	M
M	V	V	H	P	O	H	V	A	O	Z	L	F	N	I
E	N	I	L	A	N	E	R	D	A	N	J	Y	Y	E
O	D	H	U	N	E	H	A	O	N	J	E	S	Z	A
X	V	A	S	O	P	R	E	S	S	I	N	O	T	O
N	I	L	L	E	R	E	B	B	I	G	F	L	V	I
U	L	X	O	W	R	I	X	R	G	N	Q	I	M	M

HINTS:-

- 1) prepare the endometrium
- 2) male sex hormone
- 3) allow the glucose in the blood to enter cells , provide energy
- 4) helps to face dangerous situations by causing temporary changes in the body
- 5) 'feel - good' hormone
- 6) lactation after childbirth
- 7) sleeping hormone
- 8) another name of ADH
- 9) fruit ripening hormone
- 10) plant growth hormone

NAME- BILKISH BANO
ROLL- ZOO2420

MICROBIOLOGY INSTRUMENTS 2

D	O	A	R	O	T	A	C	C	I	S	E	D	W
R	B	P	O	B	R	T	R	P	C	C	M	R	A
E	M	O	T	O	R	C	I	M	R	A	D	C	T
R	L	L	O	C	H	T	R	C	Y	O	T	E	E
D	D	T	T	O	O	J	Y	T	O	J	T	O	R
F	E	I	B	H	F	T	O	H	S	I	R	R	B
R	O	R	T	F	T	U	E	T	T	O	I	M	A
O	O	F	B	Y	H	M	L	O	A	D	E	E	T
M	E	I	B	C	U	Y	O	E	T	R	P	W	H
A	O	D	C	F	N	C	E	A	C	R	P	T	E
O	M	R	O	T	A	B	U	C	N	I	T	D	O
O	W	C	O	H	S	O	N	I	C	A	T	O	R
P	E	T	R	O	L	E	U	M	J	E	L	L	Y
I	R	E	F	R	A	C	T	O	M	E	T	E	R

FUMEHOOD
 CRYOSTAT
 INCUBATOR
 WATERBATH
 MICROTOME
 PETROLEUMJELLY
 DESICCATOR
 REFRACTOMETER
 SONICATOR

NAME- MD SAHAB ALAM
 ROLL- MIC242017

ANSWER KEY

CRYPTOGRAM

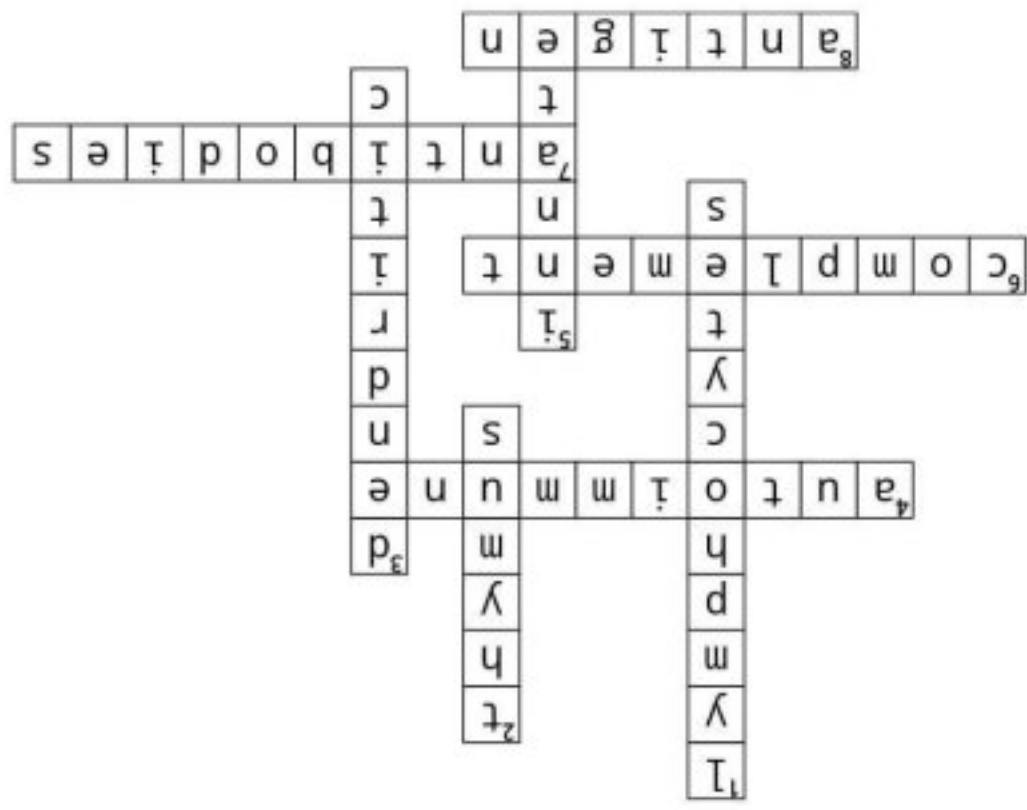
- 1.MICROORGANISMS ARE THE ARCHITECTS OF LIFE ON EARTH.
- 2..LOOK DEEP INTO NATURE, AND THEN YOU WILL UNDERSTAND EVERYTHING BETTER.
- 3.DNA IS THE BLUEPRINT OF LIFE. IT CONTAINS THE INSTRUCTIONS NEEDED TO BUILD AND MAINTAIN AN ORGANISMS.
- 4.YOUR BODY RECOGNIZES AND ATTACKS HARMFUL PATHOGENS.

RIDDLES

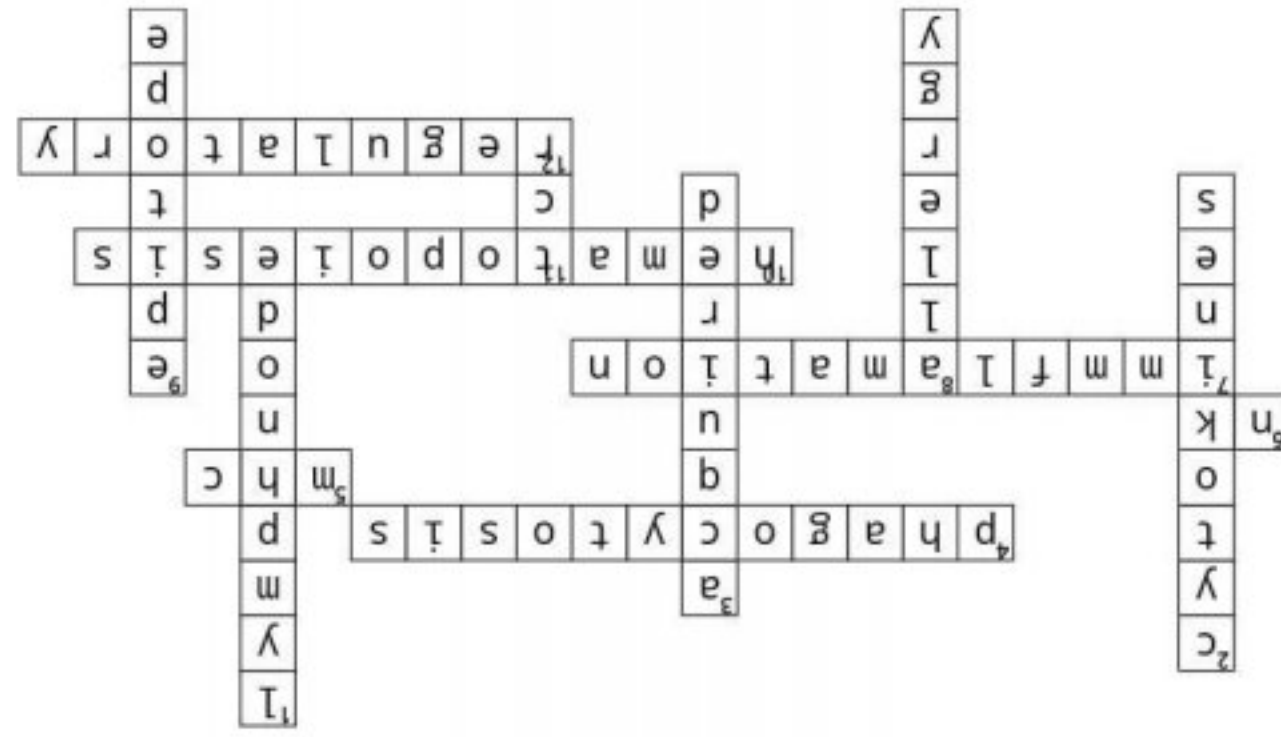
- 1.NUCLEUS
- 2.CHLOROPHYLL
- 3.ROOT
- 4.FOOD CHAIN
- 5.DNA
- 6.KIDNEY
- 7.BACTERIA
- 8.VIRUS
- 9.ATP
- 10.PCR
- 11.BRAIN
- 12.ANABELISM

UNSCRUMBLE WORD

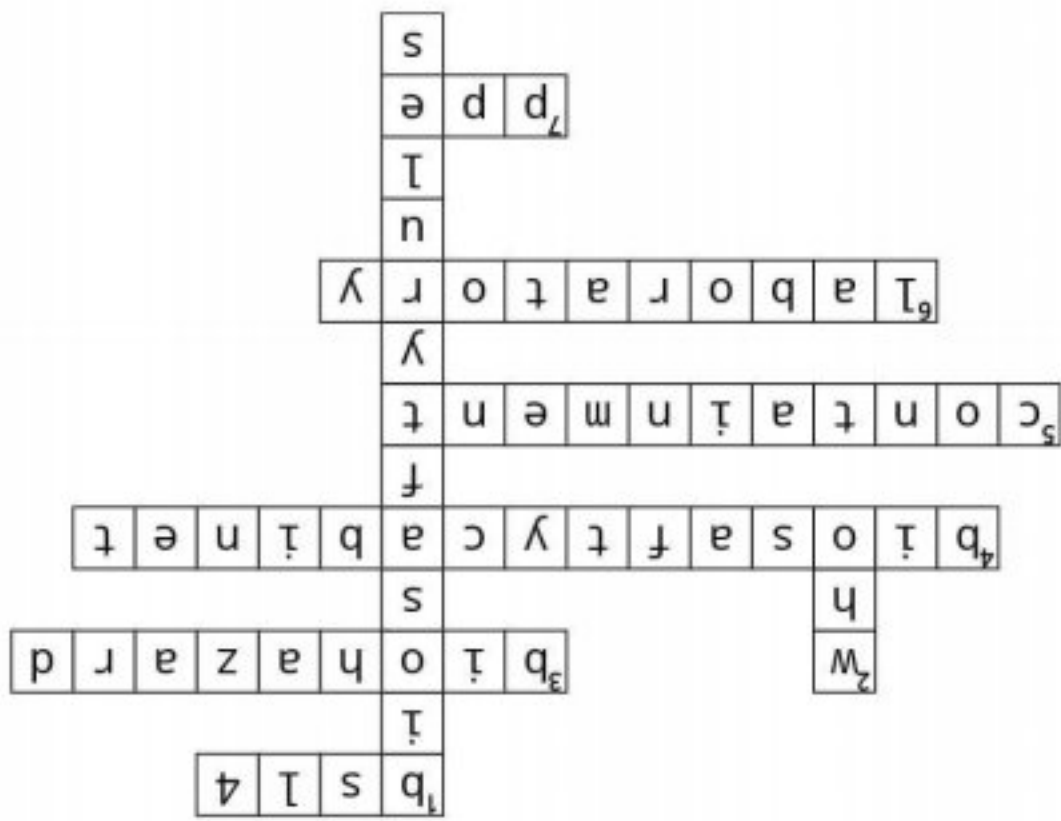
- 1.NITROGEN
- 2.ENZYME
- 3.CYTOSKELETON
- 4.ELISA
- 5.MITOSIS
- 6.GENETIC
- 7.CRYPTOGRAPHY
- 8.PLASMID
- 9.AGAROSE
- 10.CHLOROPLAST
- 11.GLYCOLYSIS
- 12.PENICILLIN
- 13.PATHOGEN
- 14.CULTURE
- 15.PROKARYOTIC



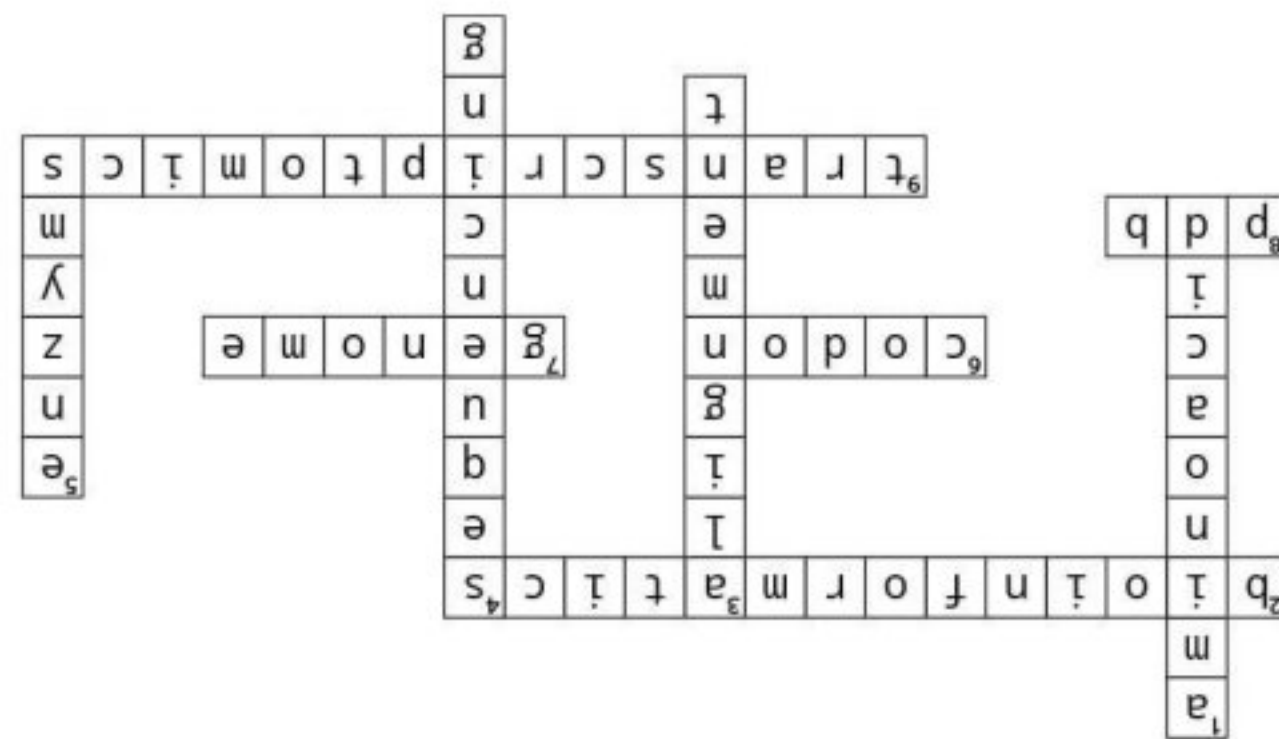
IMMUNOLOGY 1



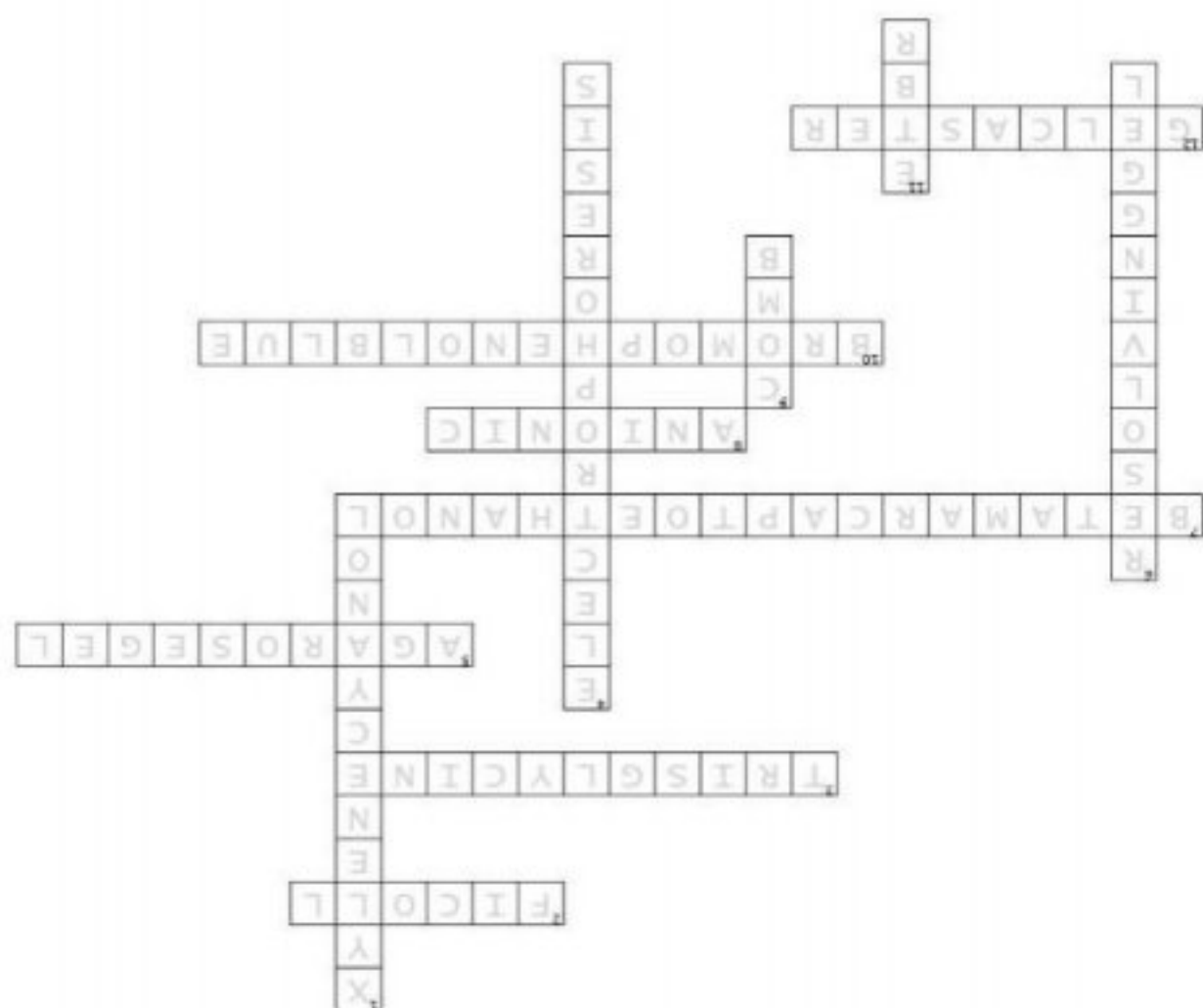
IMMUNOLOGY 2



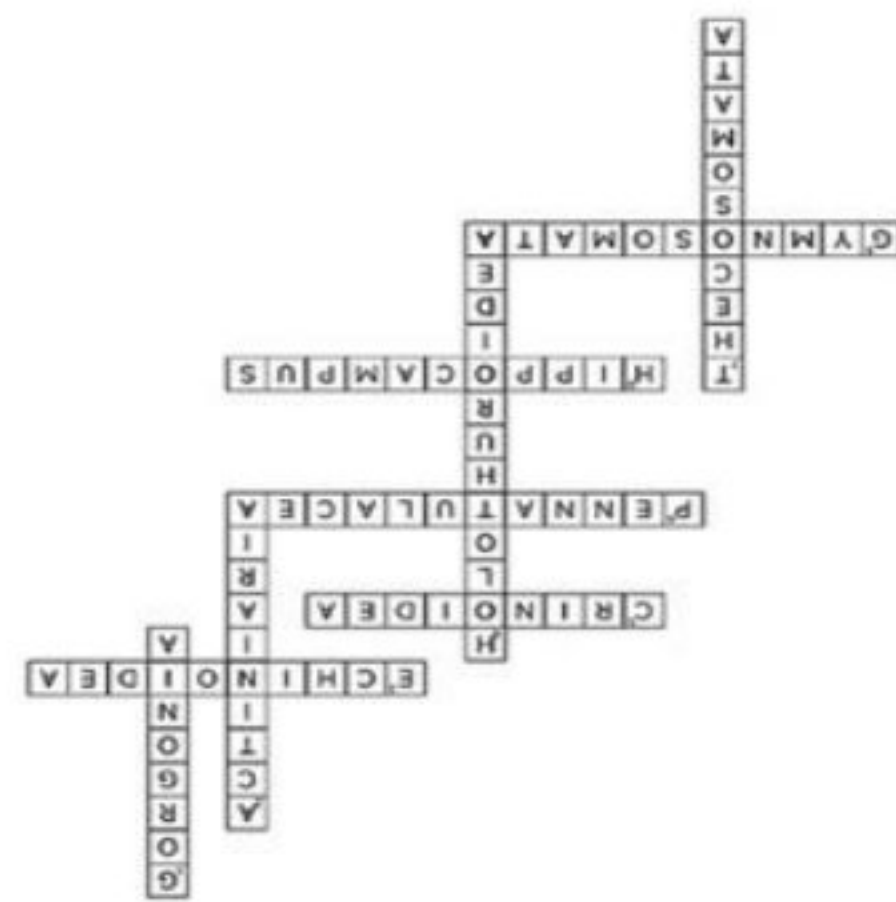
BIOSAFETY



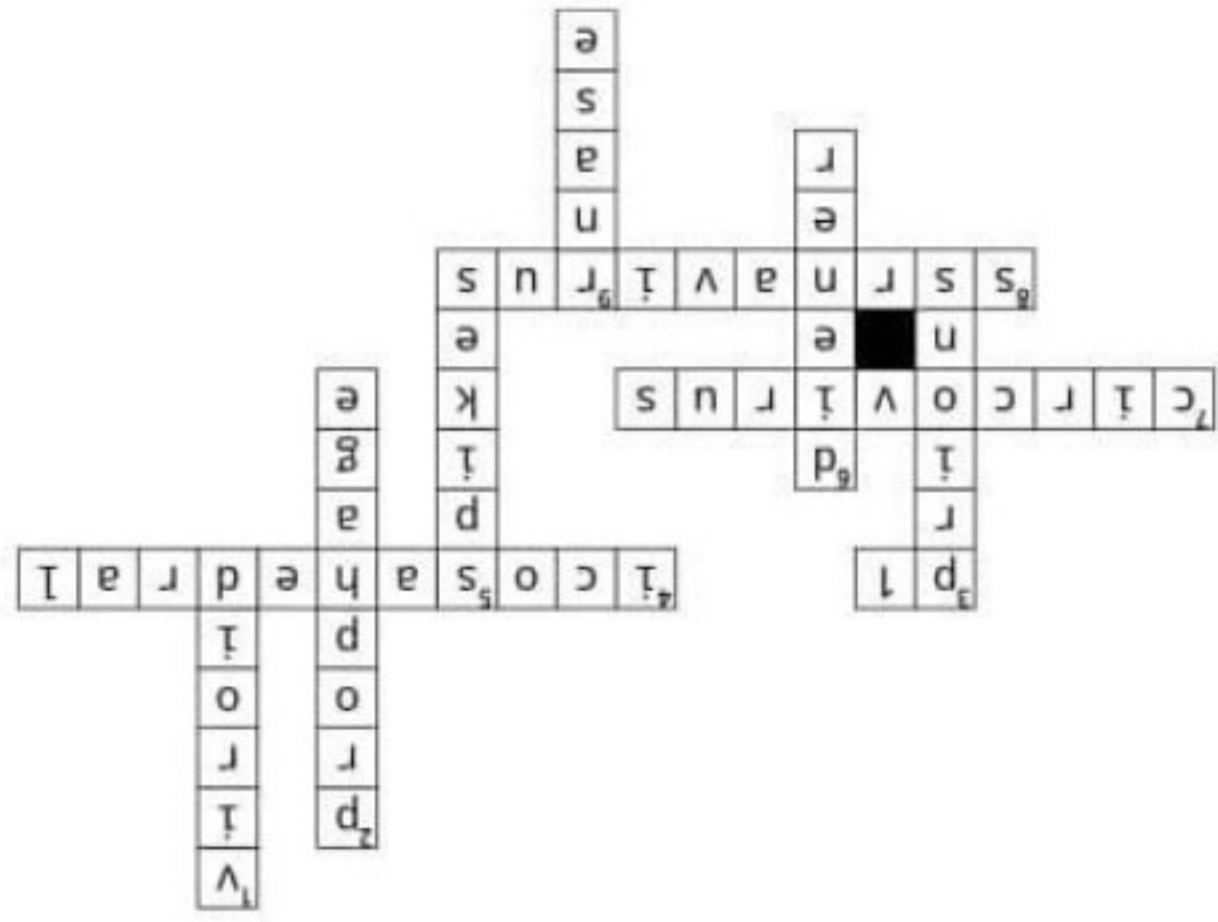
BIOINFORMATICS



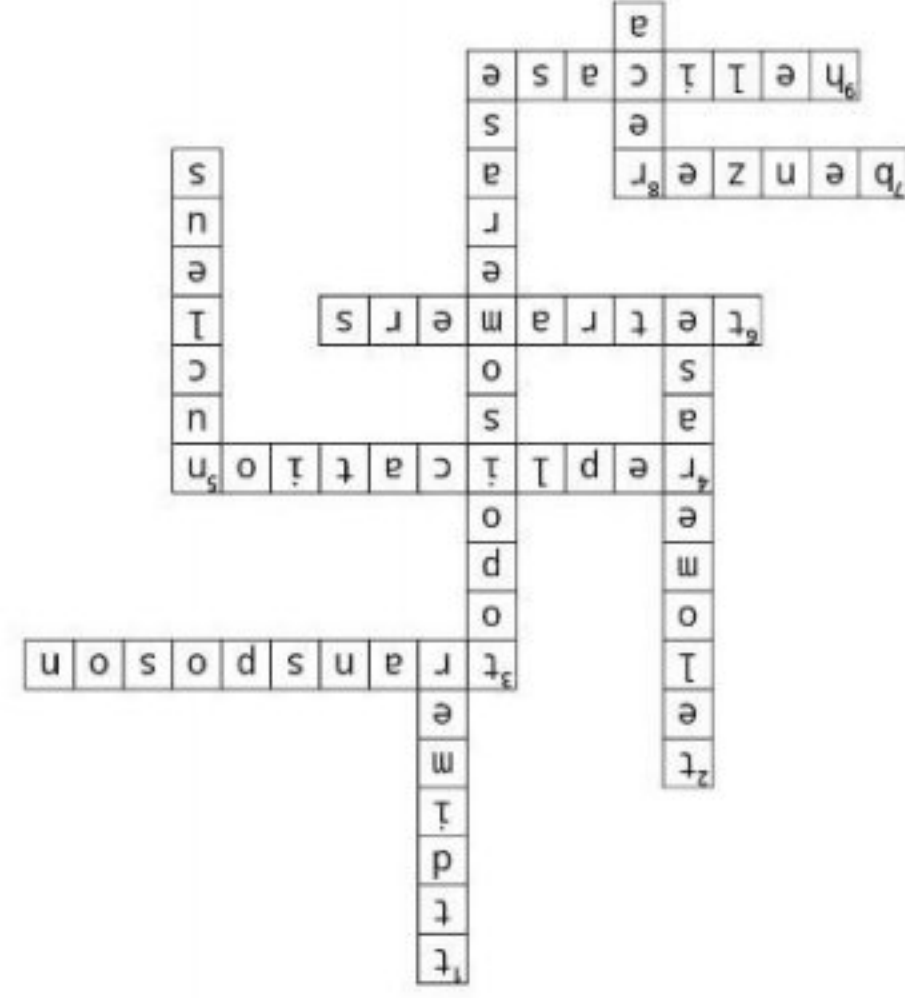
ELECTROPHORESIS



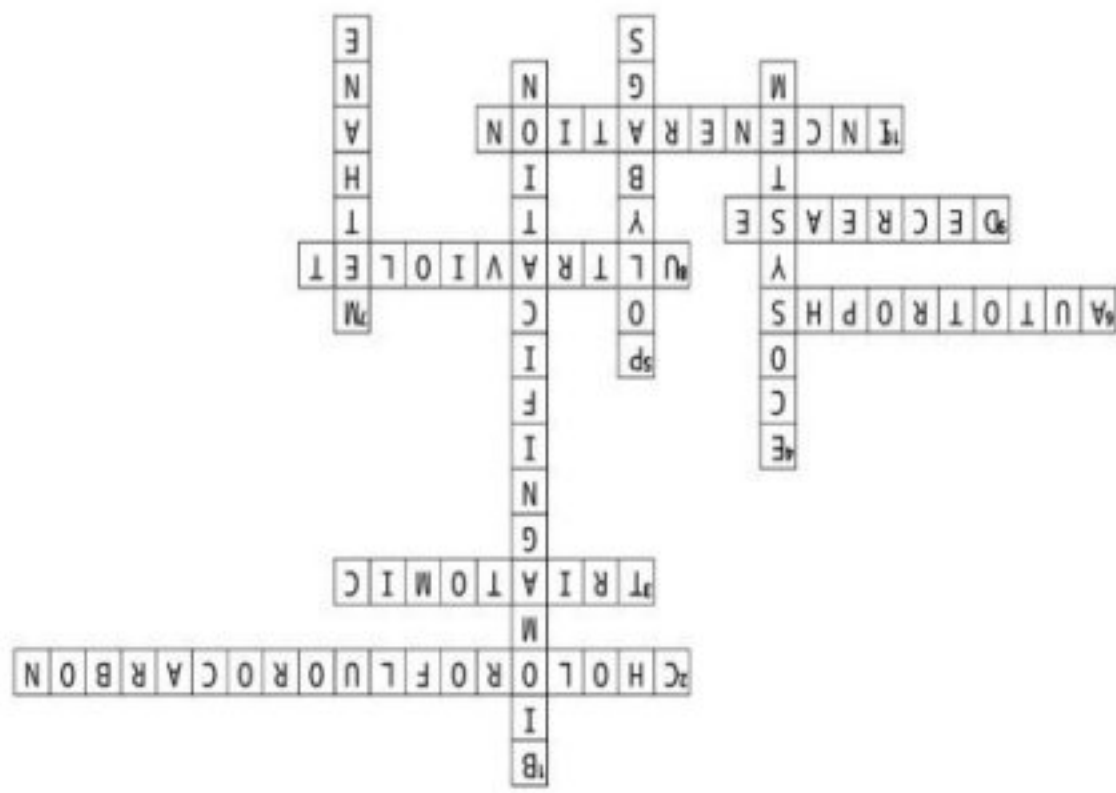
All about sea



VIRUS



RDT



Our Environment

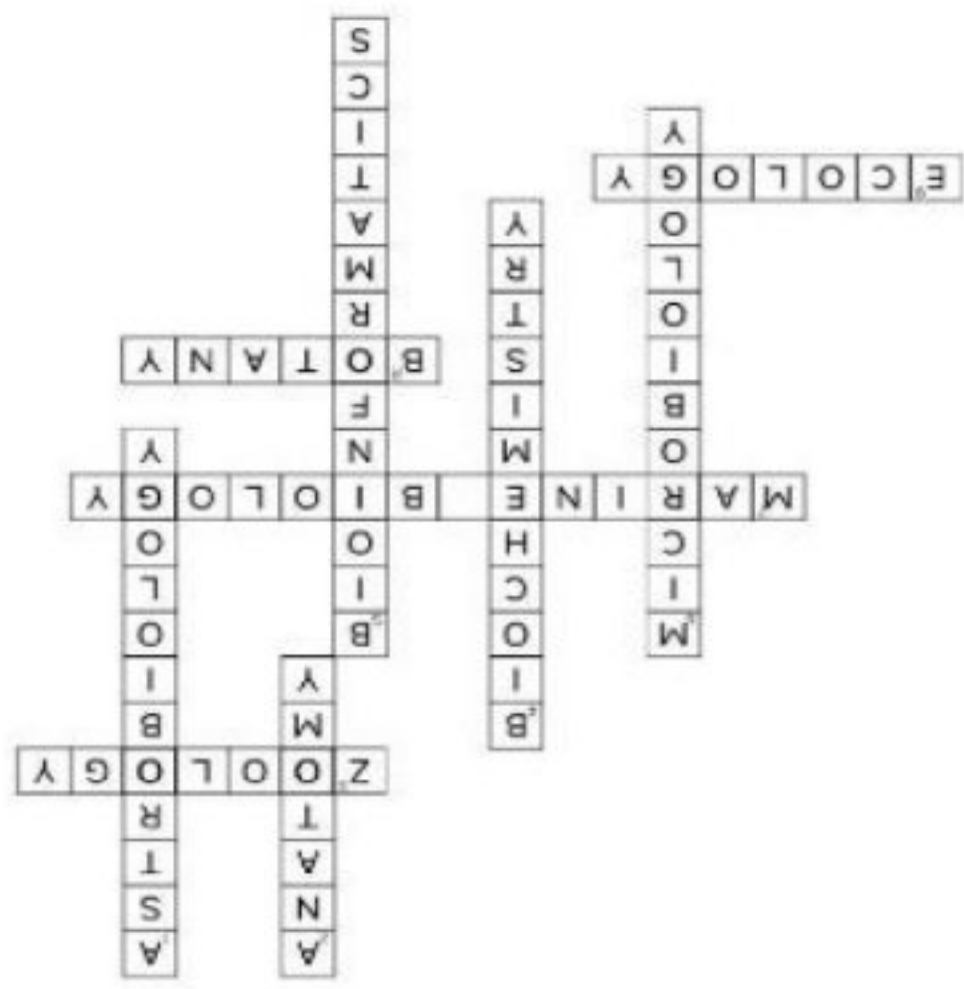
Answer keys

Across:

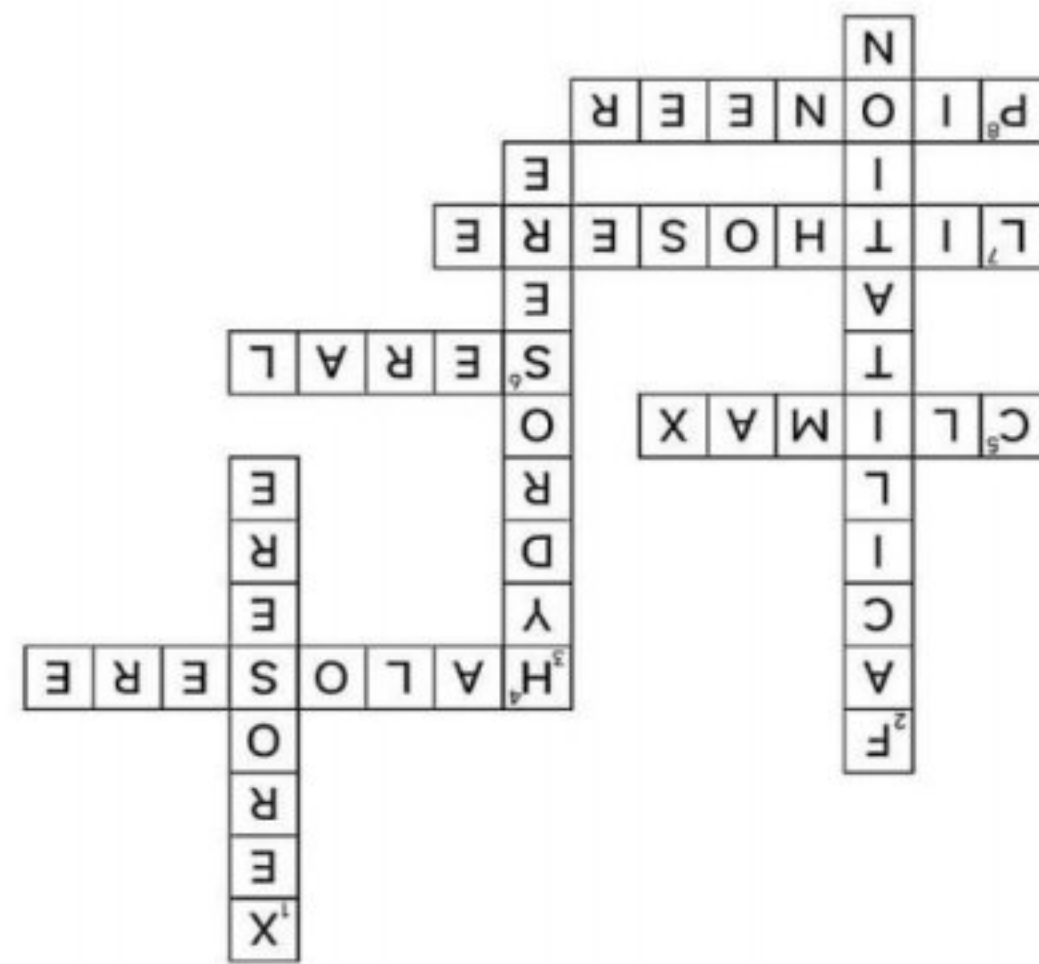
2. Sphagnum
3. Pteris
7. Funarial
8. Anthoceros
9. Psilotum

Down:

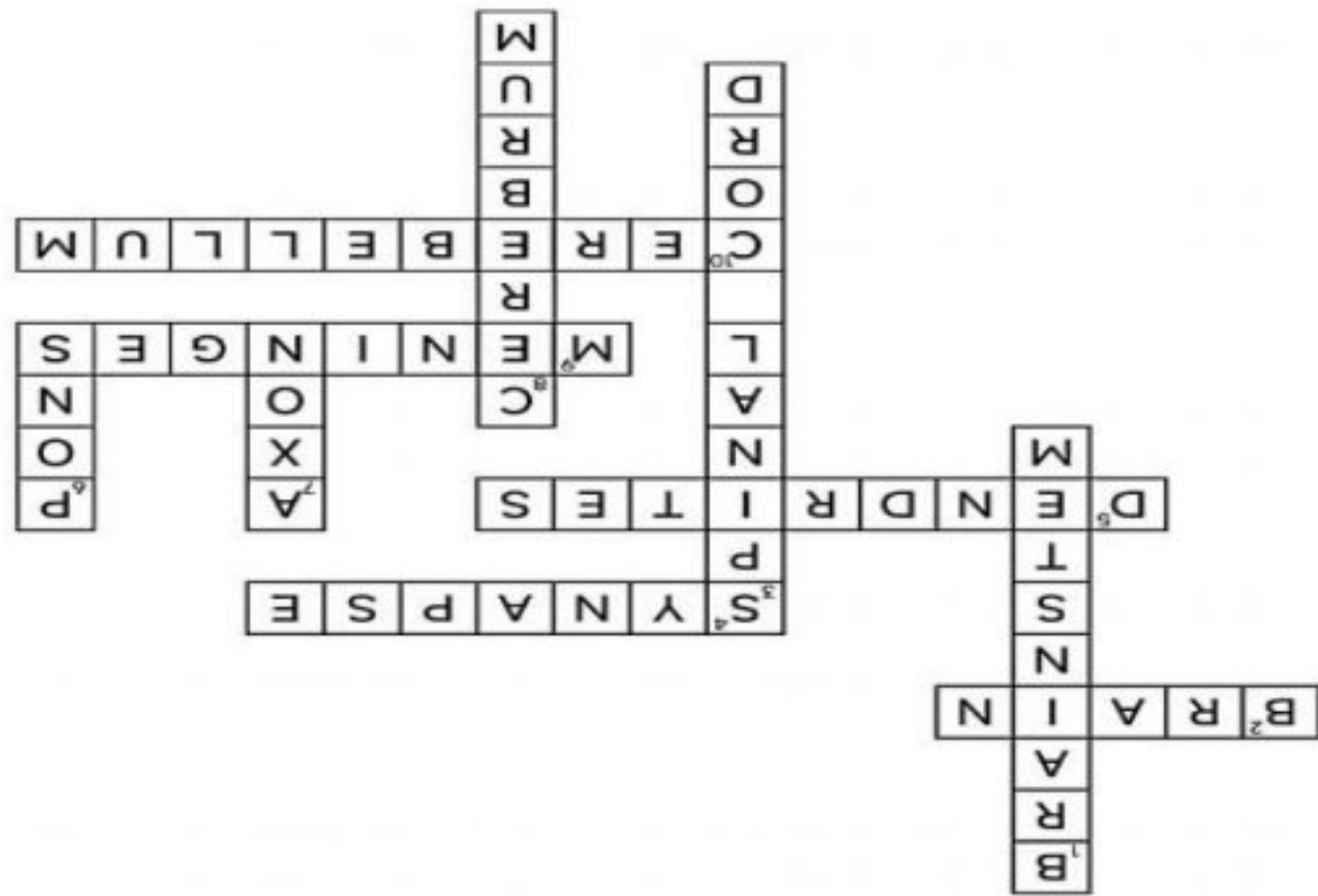
1. Marchantia
2. Selaginella
4. Equisetum
5. Lycopodium
6. Riccia



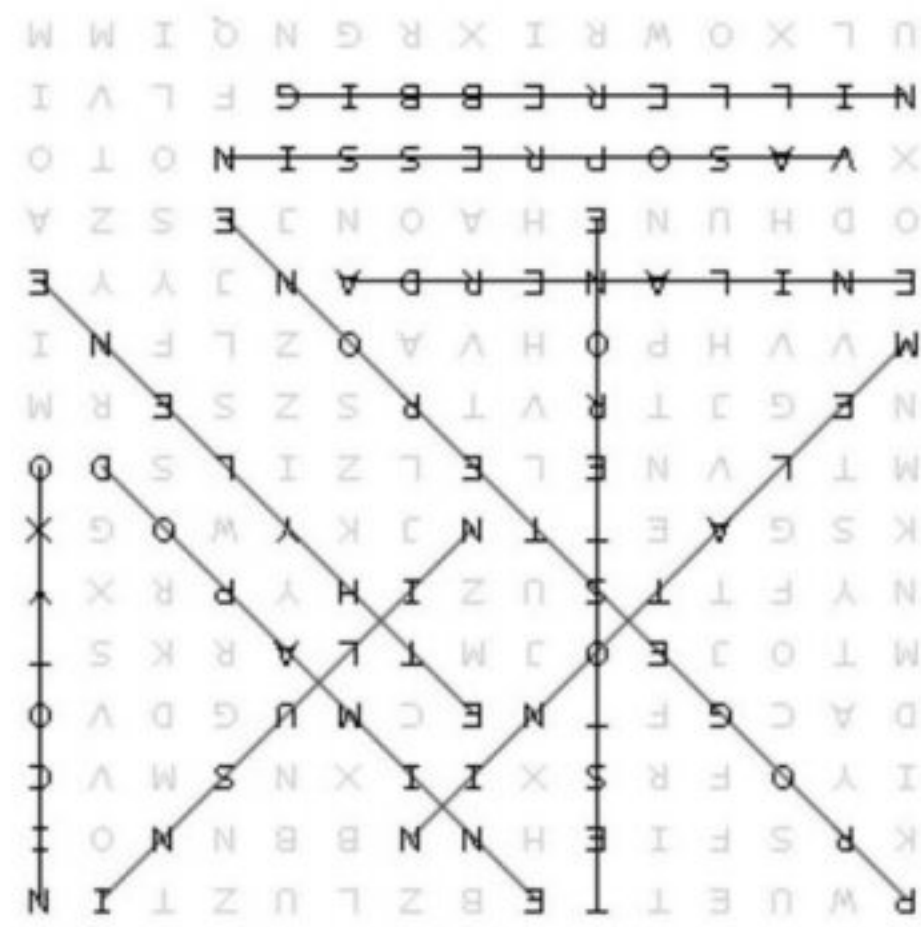
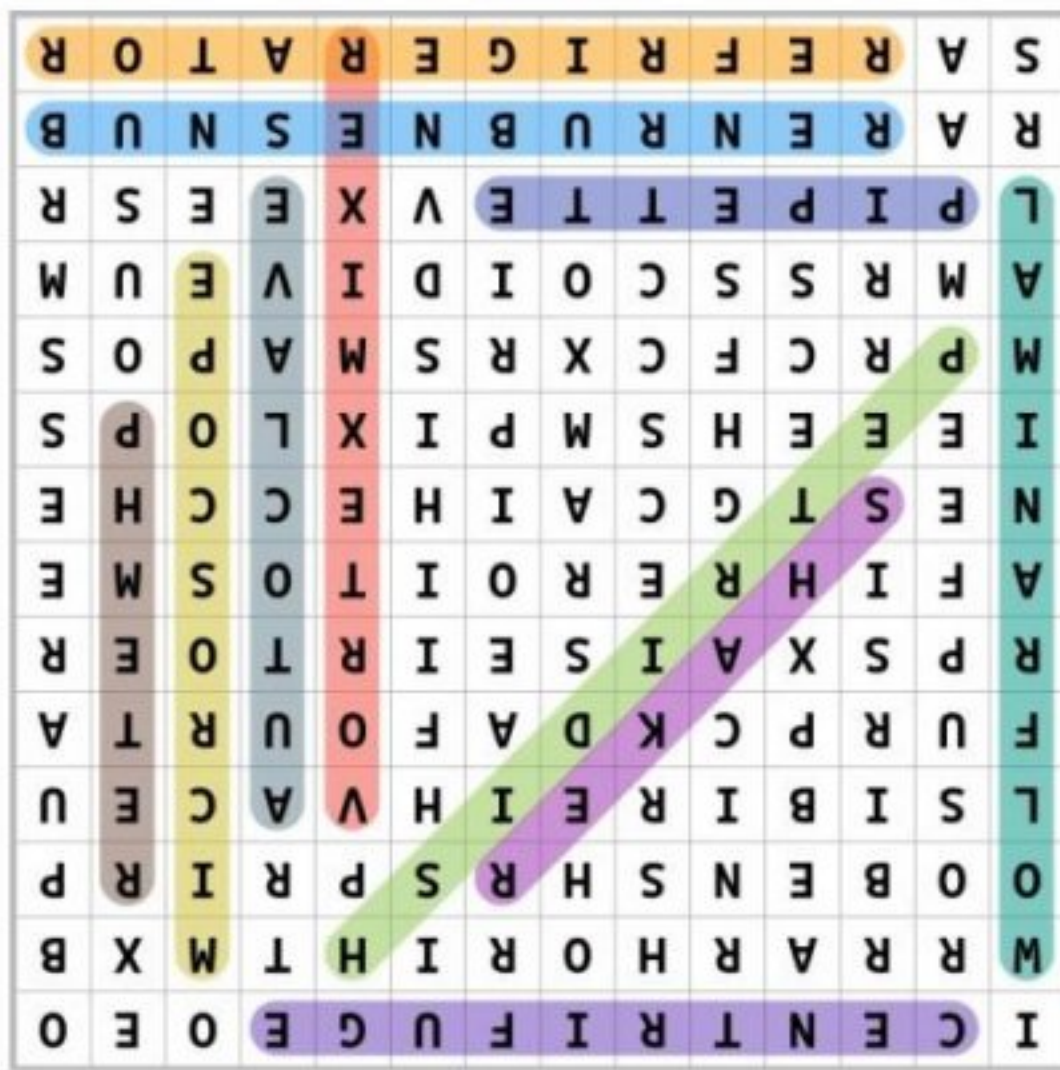
Branches of Biology



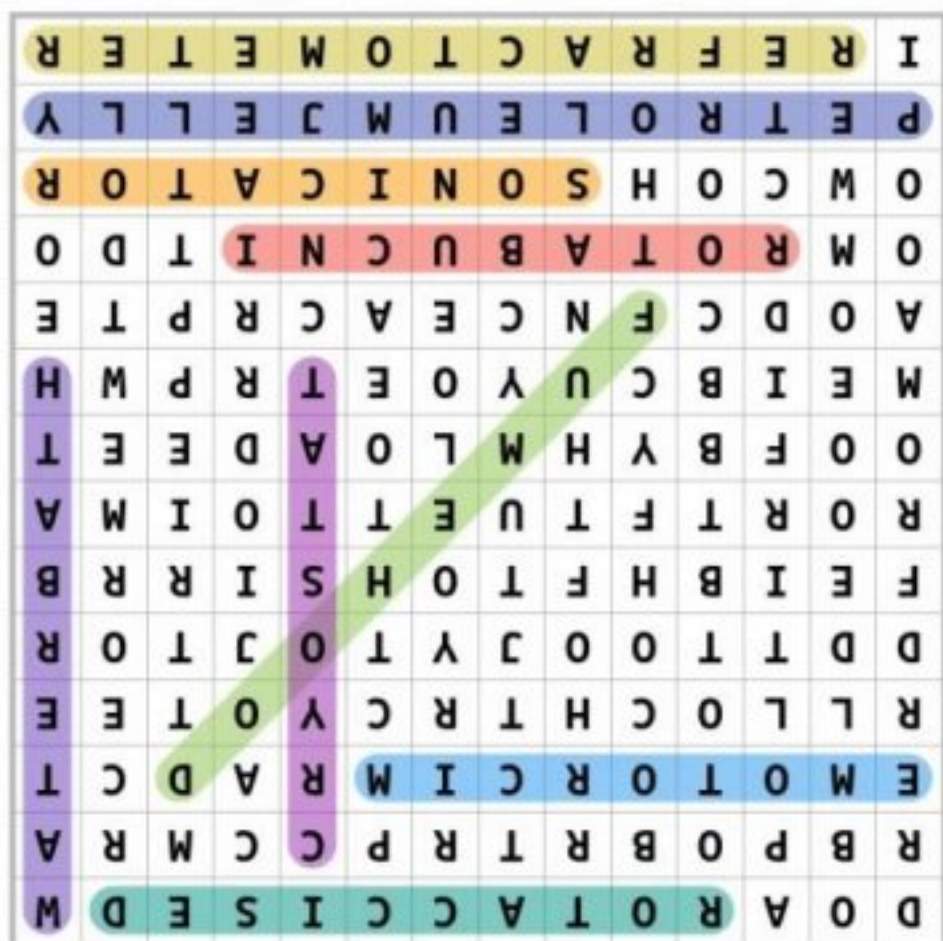
Ecological succession



HARMONE WORDS



- ANSWER:
 ADRENALINE
 GIBBERELIN
 OXYTOCIN
 VASOPRESSIN
 ETHYLENE
 MELATONIN
 TESTOSTERONE
 DOPAMINE
 INSULIN
 PROGESTERONE



MIND GAME

1. **Endosymbiosis**, lichen represent **Symbiosis** relationship, which is inside the box means **endo**.
2. **TRANSLATION**, Postman's(messenger) name is **RNA**, and address is **PROTEIN**.
3. **GLYCOLYSIS**, Glyco= sugar, lysis= Breaking down of cell membrane.
4. **INFLORESCENCE**, **floor** is inside the **sence** organs.
5. **POLLINATION**, poly(**poll**) bag + symbol of **nations**= flags.
6. **Victoria sp.** Or **saint water Lily**

ANSWERS

BSC CROSS WORD

(1)

1. MALARIA
2. POLIO
3. CANCER
4. INFLUENZA
5. COVID
6. TUBERCULOSIS
7. KALAAZAR
8. AIDS
9. SMALLPOX
10. TETANUS

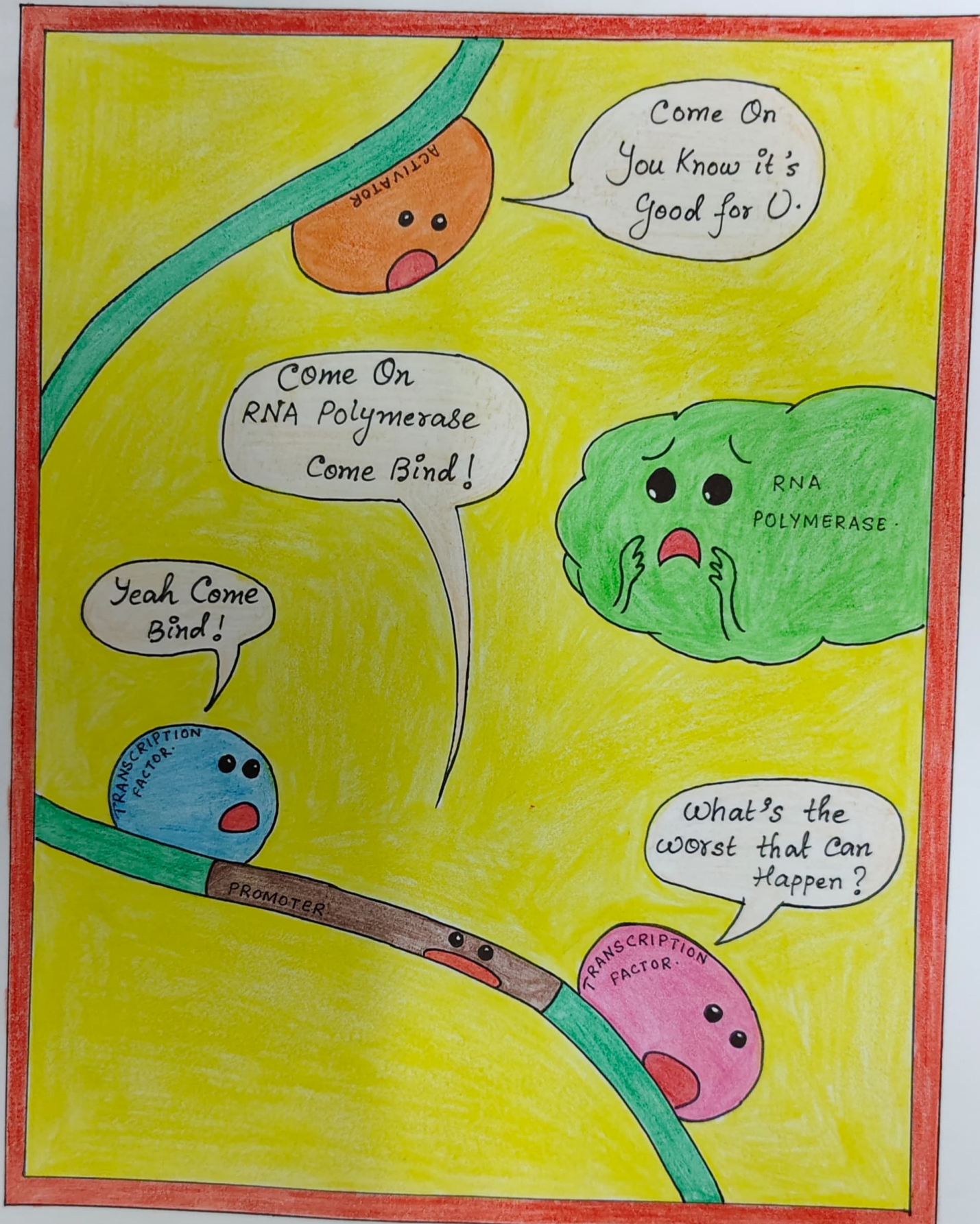
(2)

Vertical:

- Ans-Porifera
- Ans-Mollusca
- Ans-Chondrichthyes
- Ans-Aves
- Ans-Platyhelminthes
- Ans-Aschelminthes

Horizontal

- Ans- Echinodermata
- Ans-Arthropoda
- Ans- Ctenophora
- Ans-Annelid

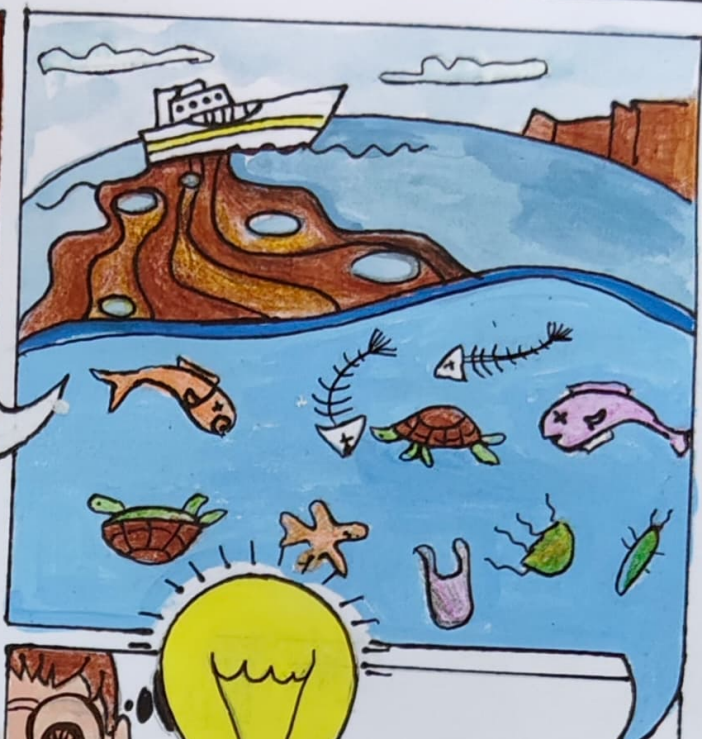


NAME:- SABA TABBASUM

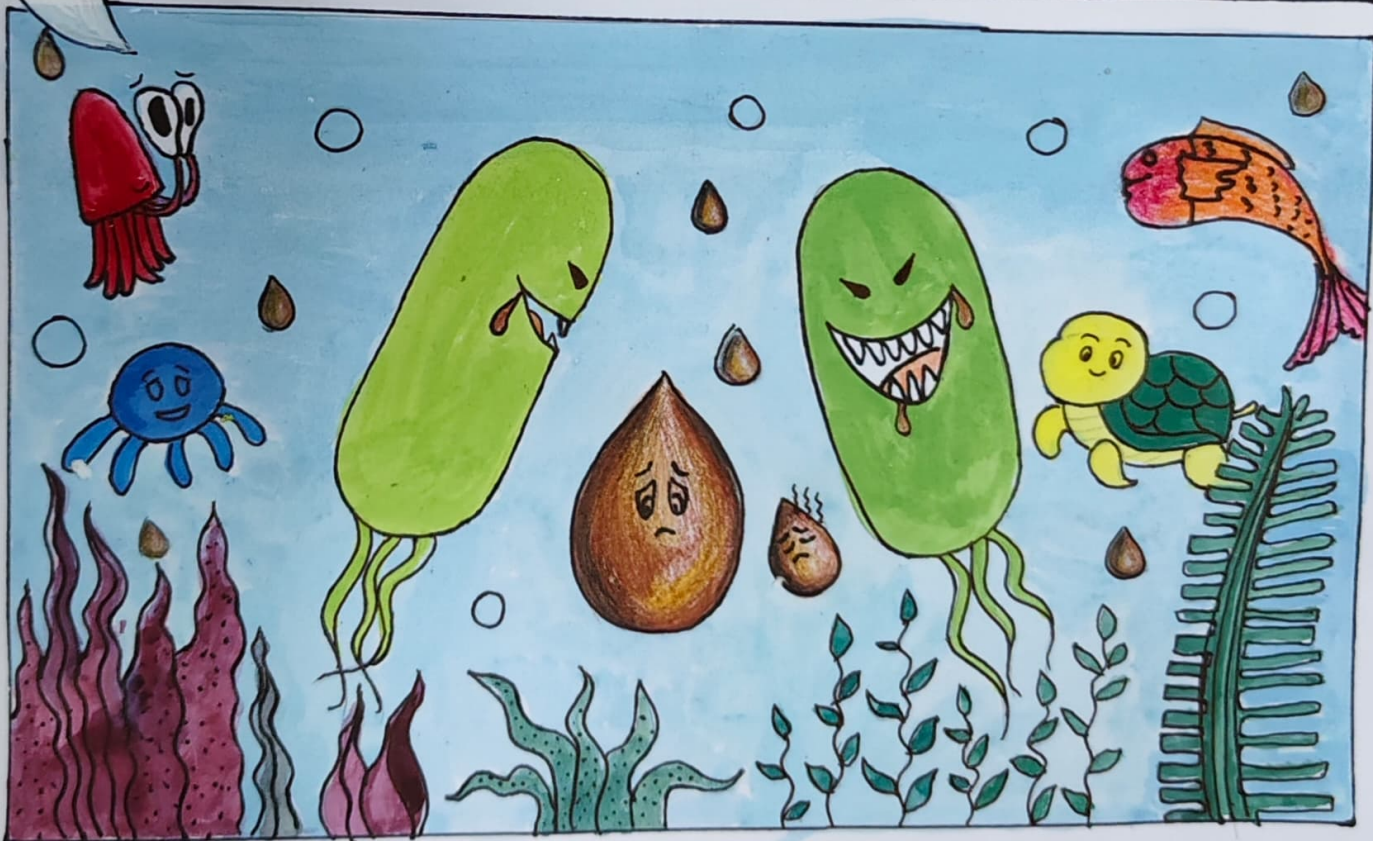
ROLL NO:- MIC242013

MICROBIOLOGY.

TELEGRAP
OIL SPILLED in
crossed 20 spk
in sea.
DAMAGING
ECOSYSTEM

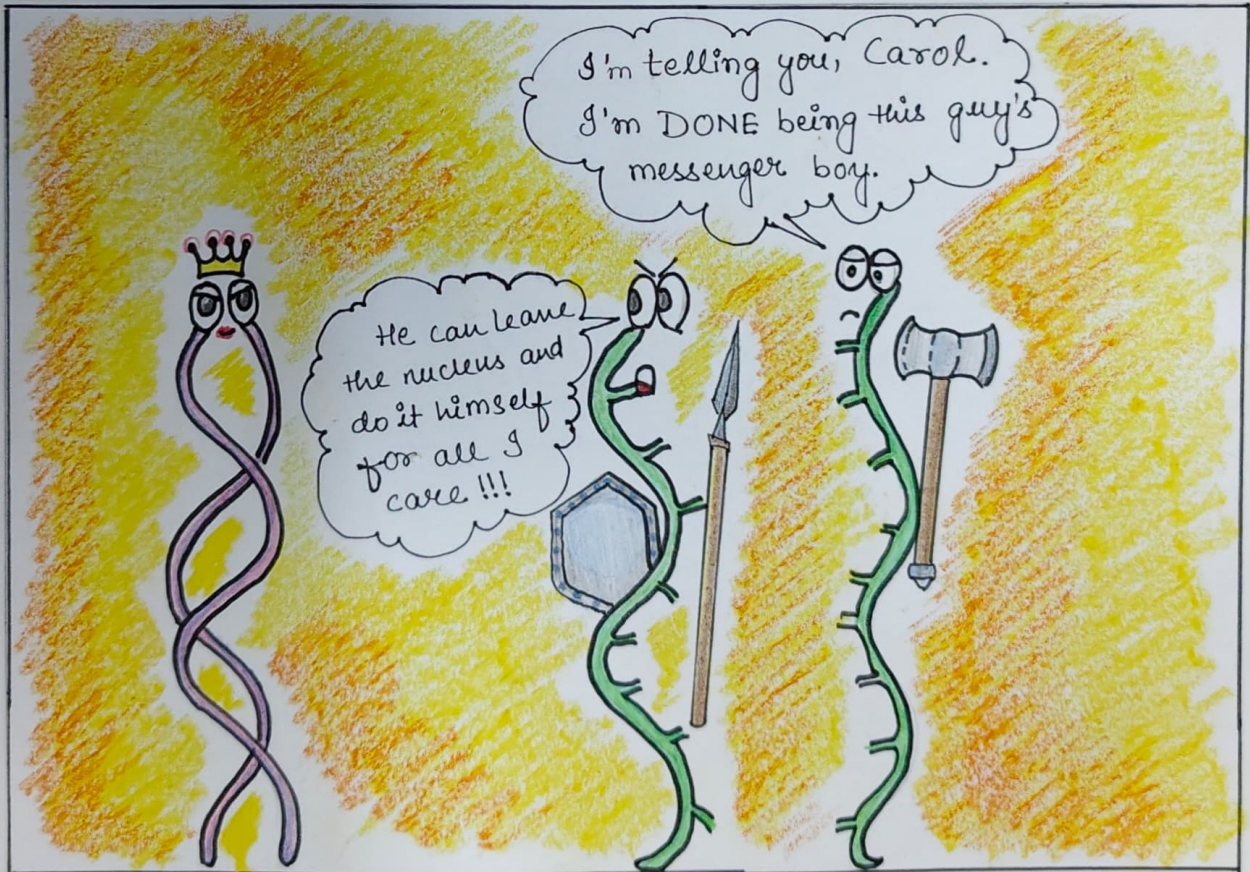


SUPERMAN
BUG





Competitive Inhibitors: If It Fits, It Sits

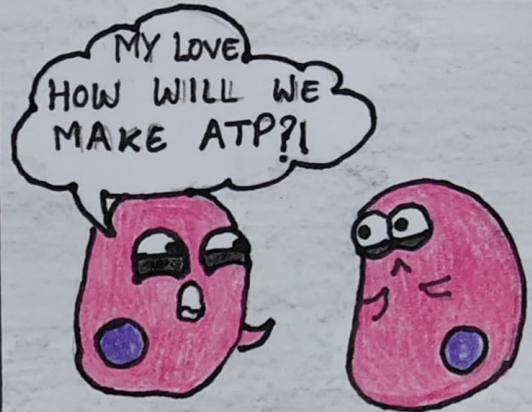


Arthur, the mRNA was at the end for his strand at work.

In A
World....



WITH NO OXYGEN,



ONE LITTLE
YEAST CELL....

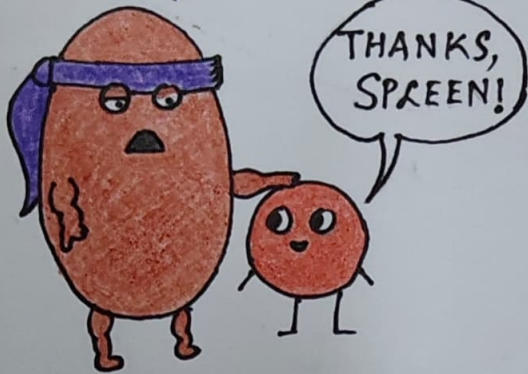


will do

FERMENTATION

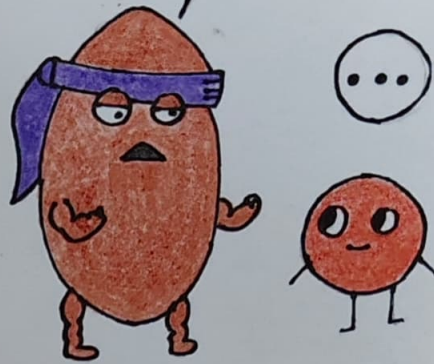


WELL DONE,
RED BLOOD CELL

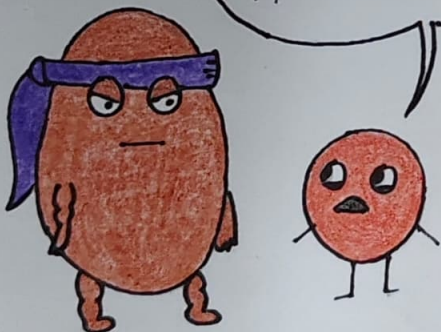


THANKS,
SPREEN!

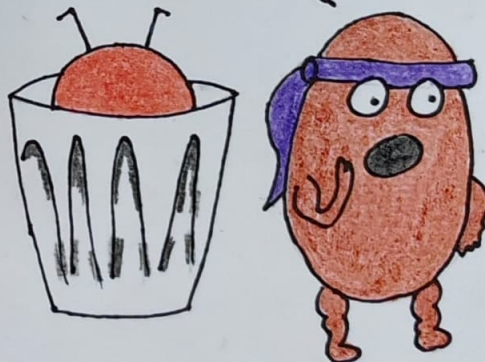
YOU LIVED....
HONORABLY.



"LIVED?"
I'M ONLY FOUR
MONTHS OLD!!



NEXXTT!!



BEFORE

Chordate

Urochordata

Cephalochordata

Hemichordata

AFTER

Chordate

Urochordata

Cephalochordata



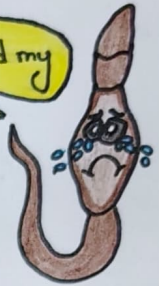
Lancelet

Yay!



Dolphin

You are Expelled.



Please, hold my hand!

Balanoglossus



Ascidia

Cheers!

FATEMA ABEDA
SAJEDA BANU
BILKISH BANU

ZOOLOGY
M.Sc. 1ST YEAR

② Yeah! Little girl
Sunflower also have two different
flowers on her thalamus.



① Hey look! A sunflower is
standing alone there.

② Don't get me wrong I'm
not a single flower. There are
many flowers on my thalamus.



NAME - ARIFA AFRIN
ROLL - BOT 242007
STREAM - M.Sc in BOTANY
Topic :- MYSTERY OF SUNFLOWER

MYSTERY OF SUNFLOWER



Name: Aadifa Ghani
MSC. BOT

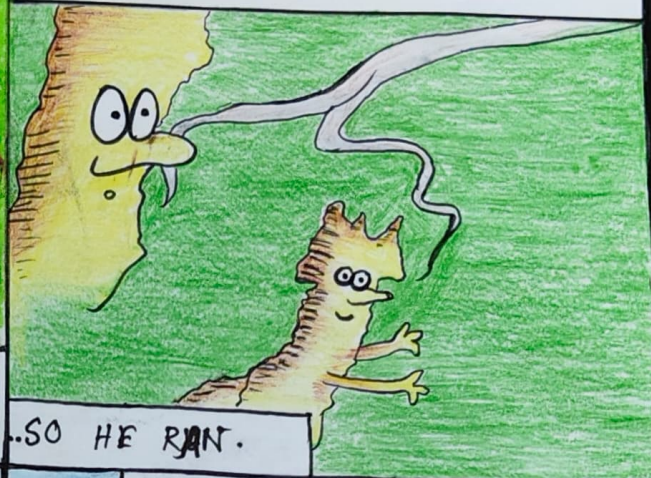
THE STORY OF HOW LICHEN CAME TO BE

Jamima
Khatun
MSC. BOT.



THE FUNGUS WAS A GREAT BUILDER...

ONE DAY, FUNGI SMELLED SOMETHING DELICIOUS....



..SO HE RAN.

SURPRISE

HE MET ALGAE. USING THE SUN'S ENERGY...



...SHE WAS COOKING SUGAR THROUGH THE PROCESS OF PHOTOSYNTHESIS.

ALGAE THOUGHT FUNGI WAS A FUN-GUY.



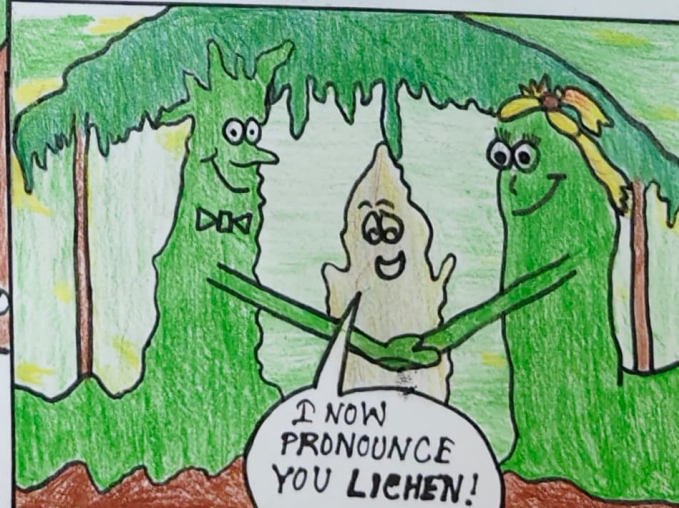
TOOK A LIKIN' TO ALGAE.

FUNGUS WENT OUT ON A LIMB...

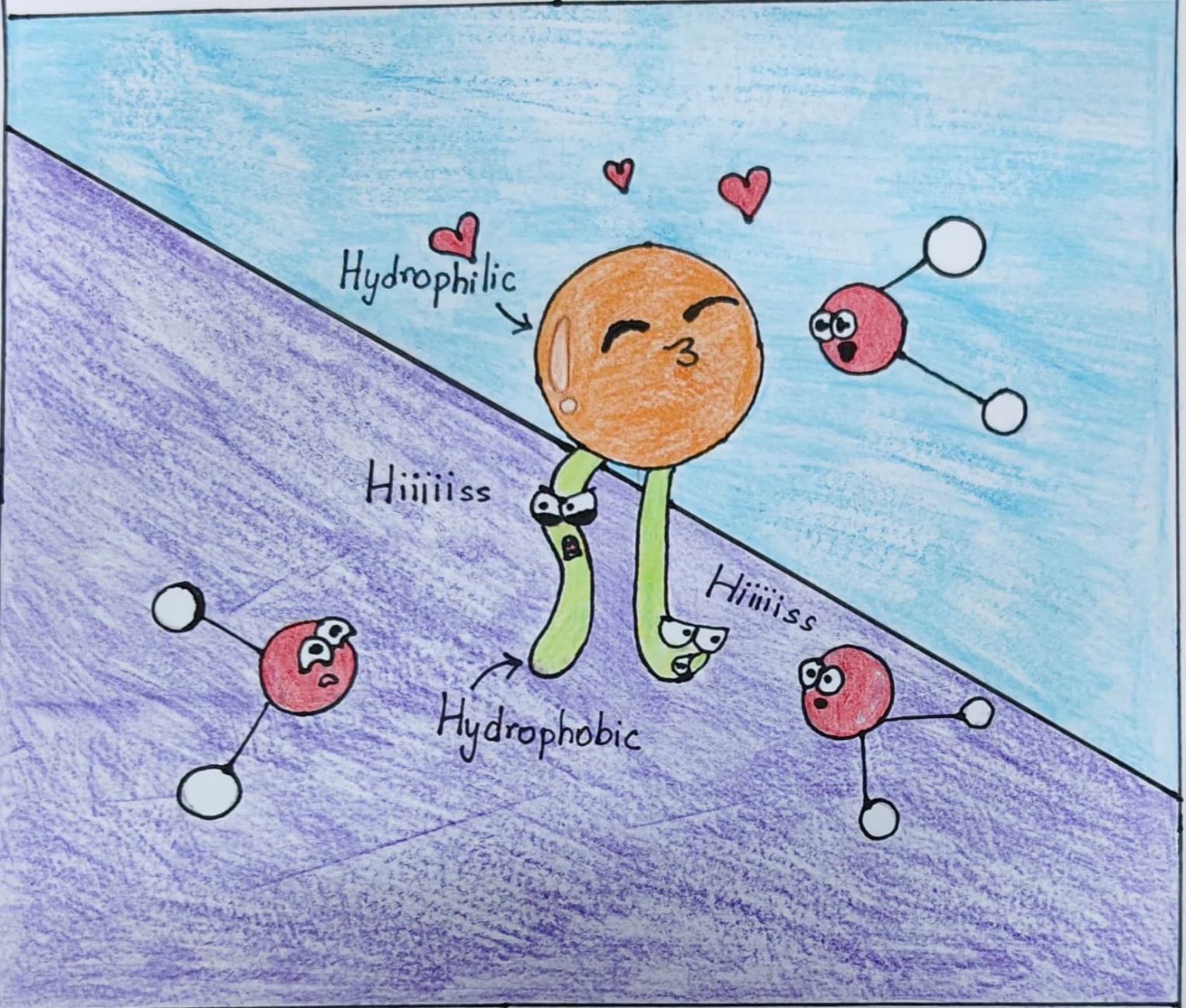
BETTER TOGETHER, FUNGI AND ALGAE ANNOUNCED THEIR SYMBIOTIC RELATIONSHIP IN A CEREMONY.



...BY BUILDING A NICE HOME FOR THEM

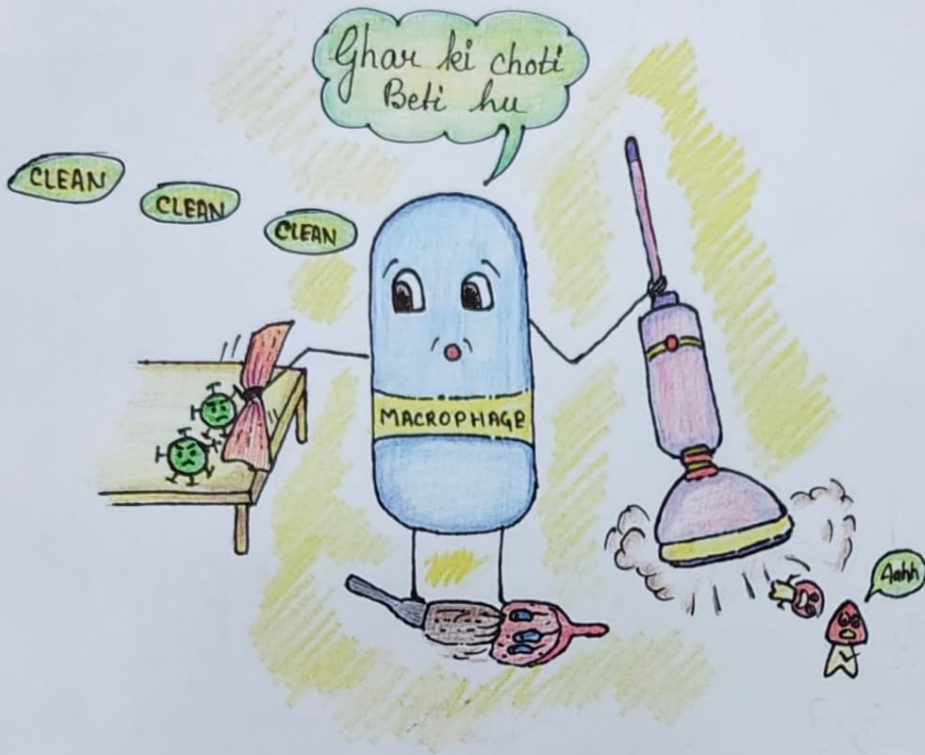


I NOW PRONOUNCE YOU LICHEN!

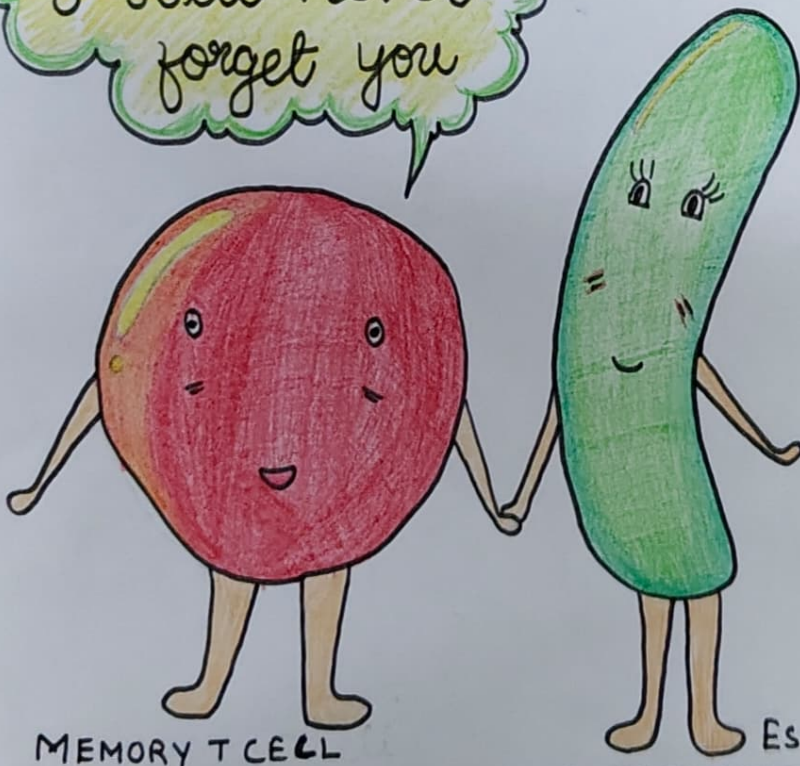


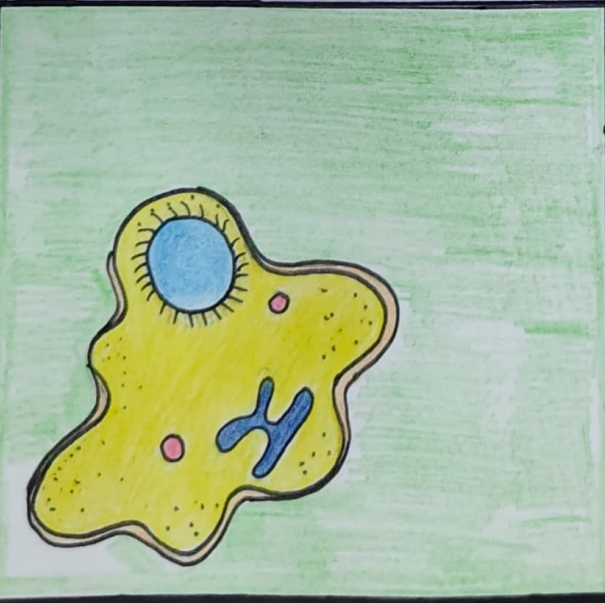
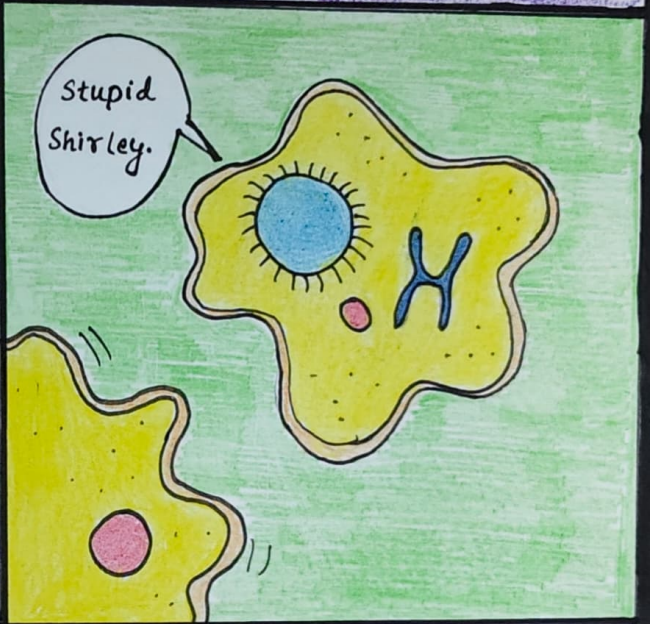
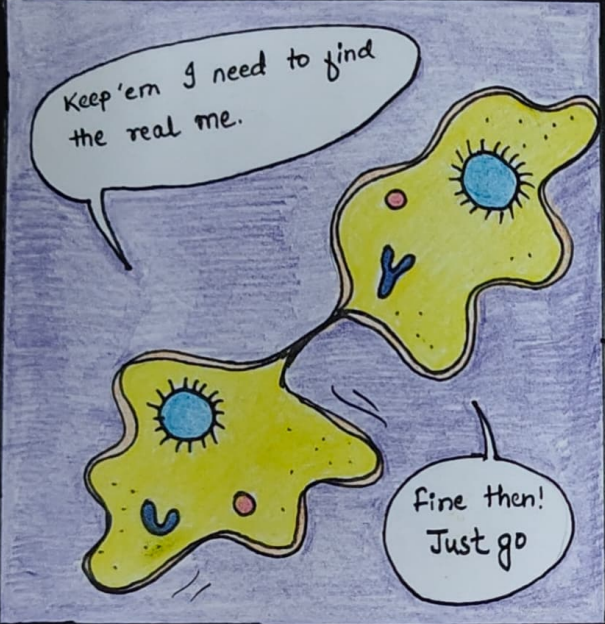
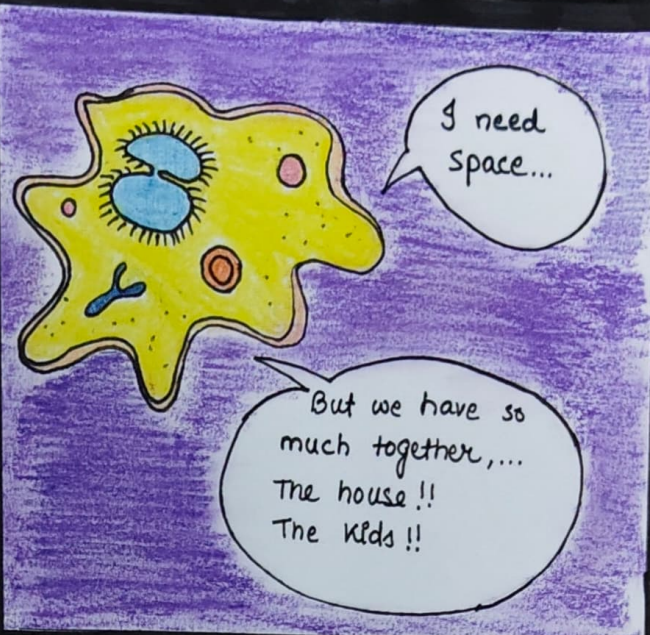
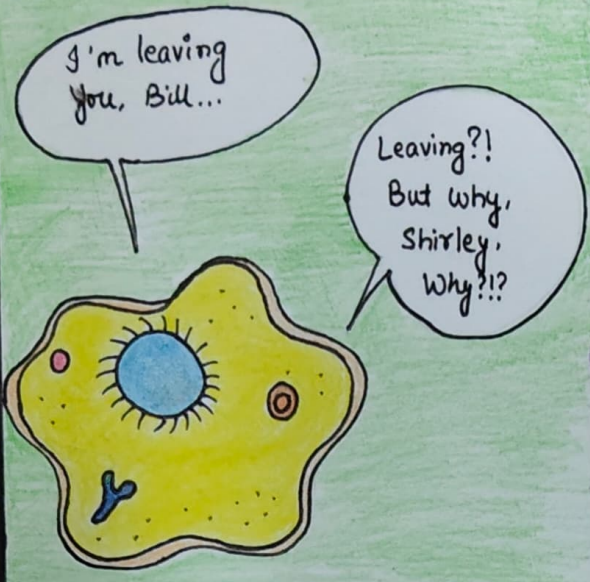
Zeba Yasmin
MIC242008 (1st yr)
MICROBIOLOGY.

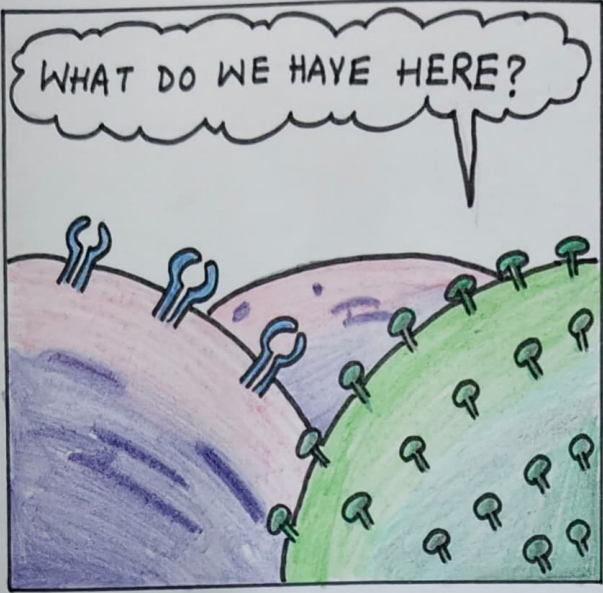
Anti-microbial property:-



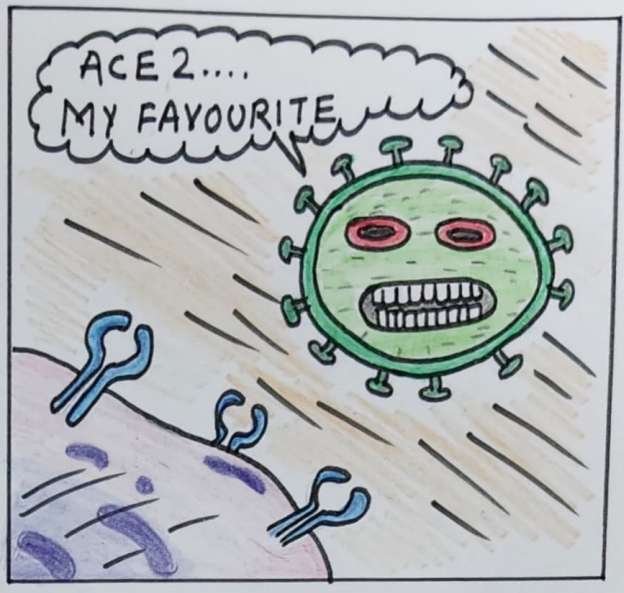
I will never forget you



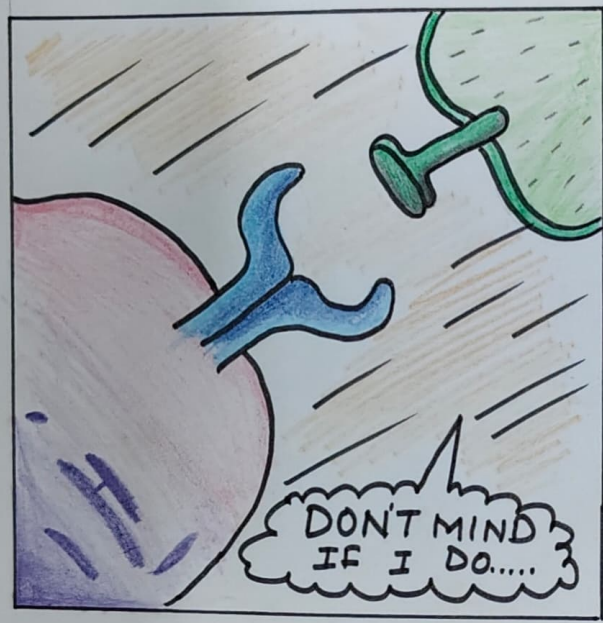




WHAT DO WE HAVE HERE?



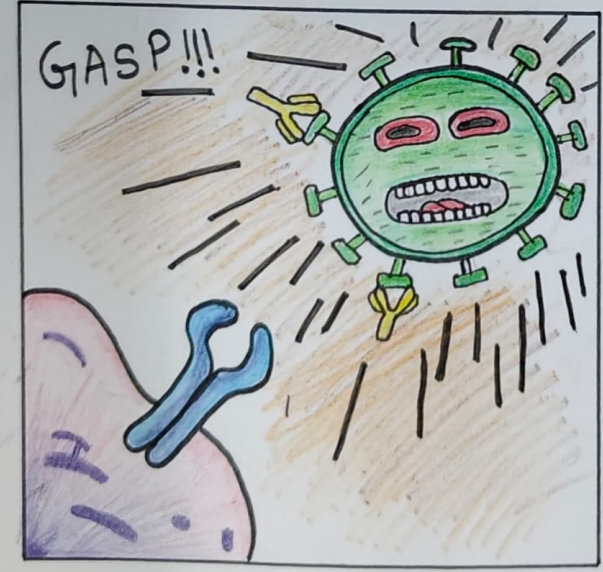
ACE 2....
MY FAVOURITE



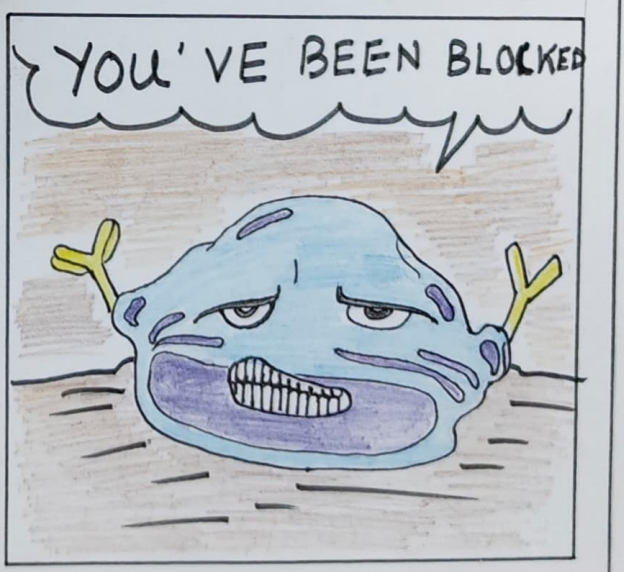
DON'T MIND
IF I DO....



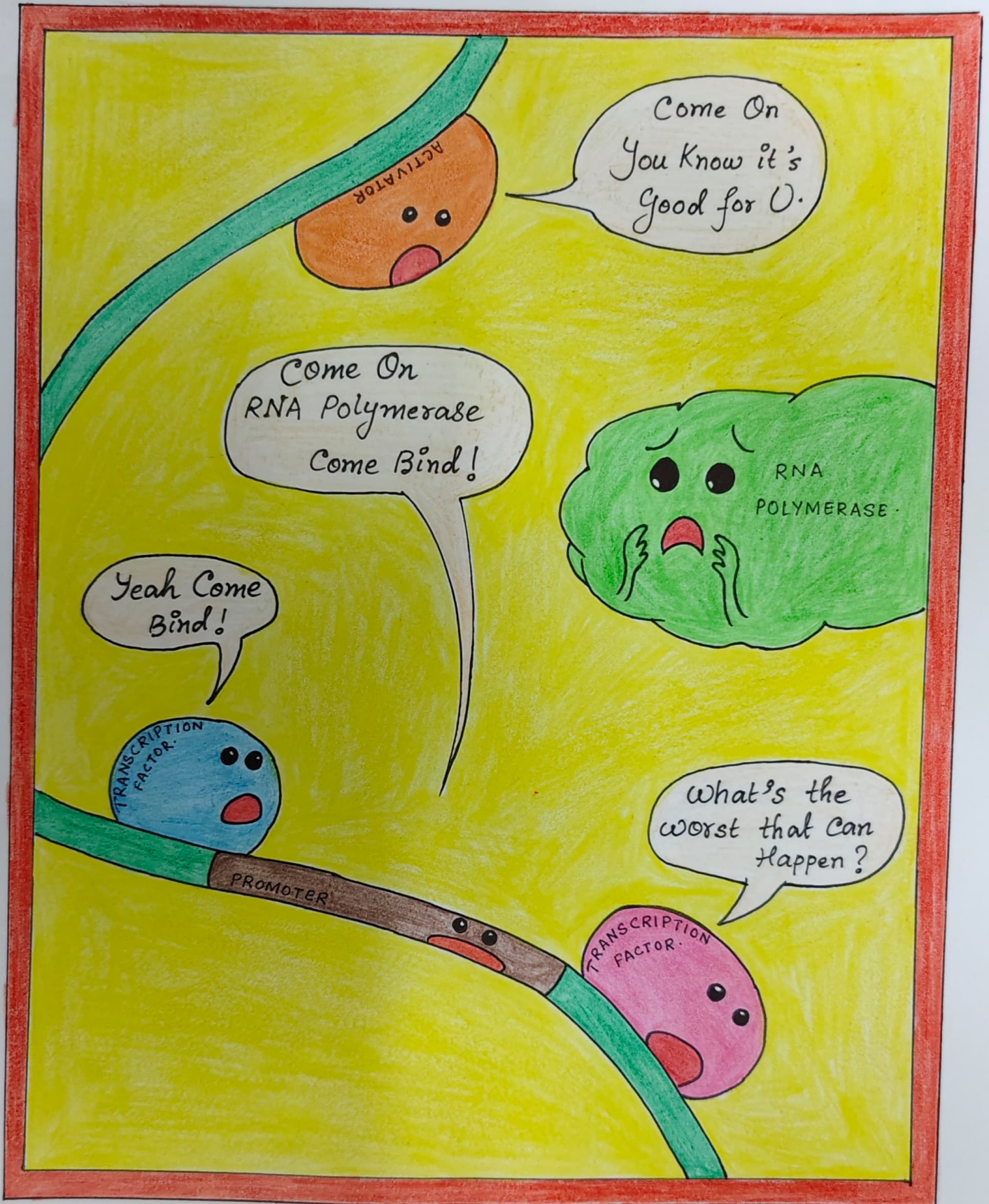
NOT SO FAST!



GASP!!!



YOU'VE BEEN BLOCKED



NAME:- SABA TABBASUM

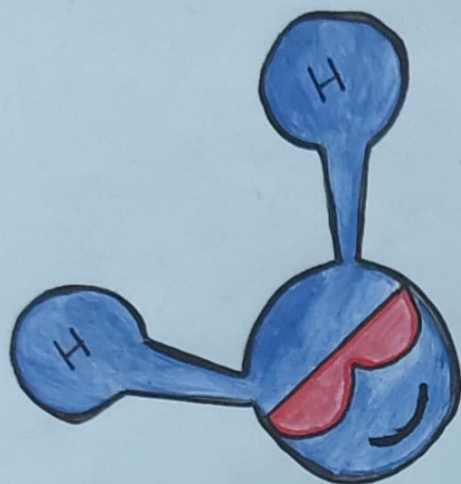
ROLL NO:- MIC242013

MICROBIOLOGY.



PLANT'S KITCHEN

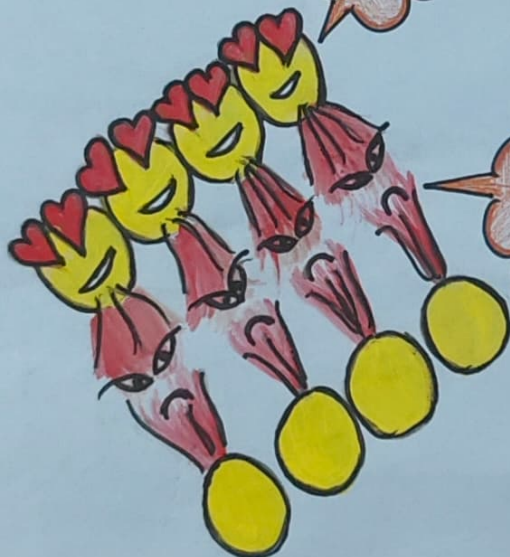
Name → Karisma
Khatun
Roll → BOT242003
Stream → Botany
class - 1st sem (M.Sc)
Topic - Photosynthesis



Water....

Sometimes
hating is
also
Important!!

Mr. Cell



Water!!

Javed Ahmed Laskari

Roll No. → 200242001

Sahnewaj Khan

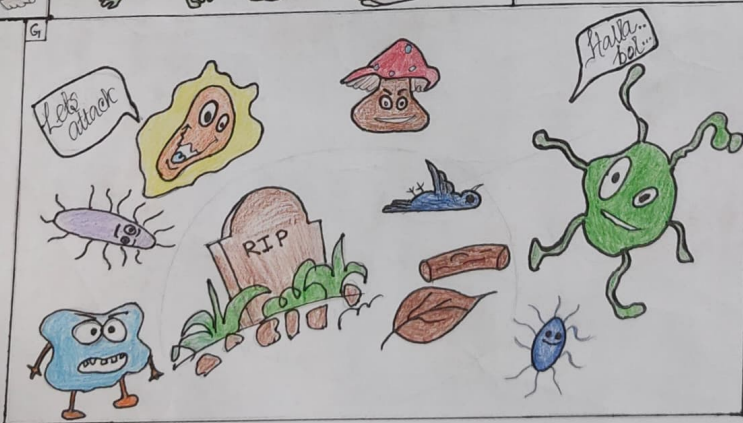
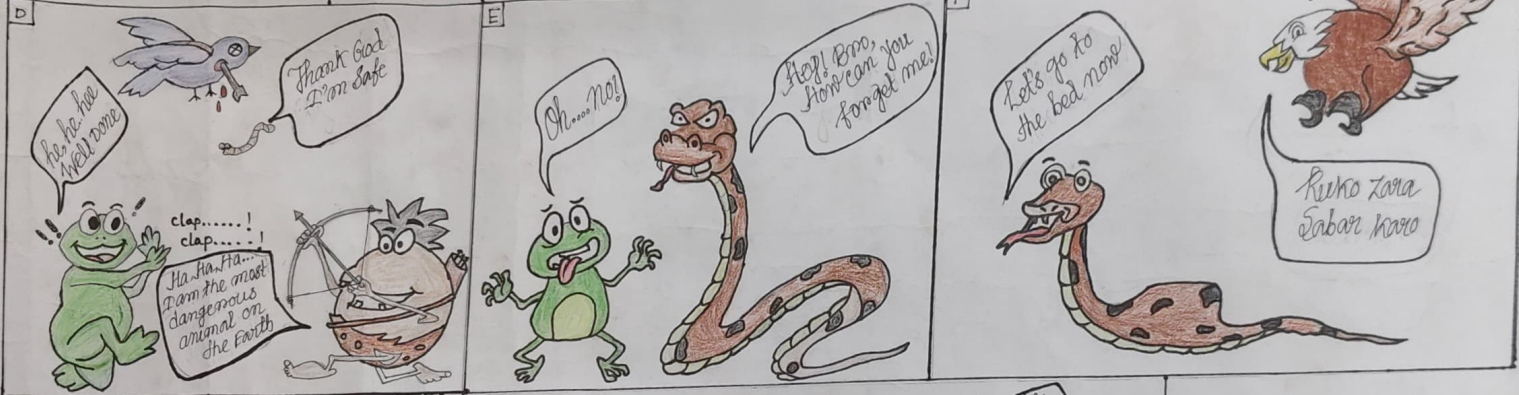
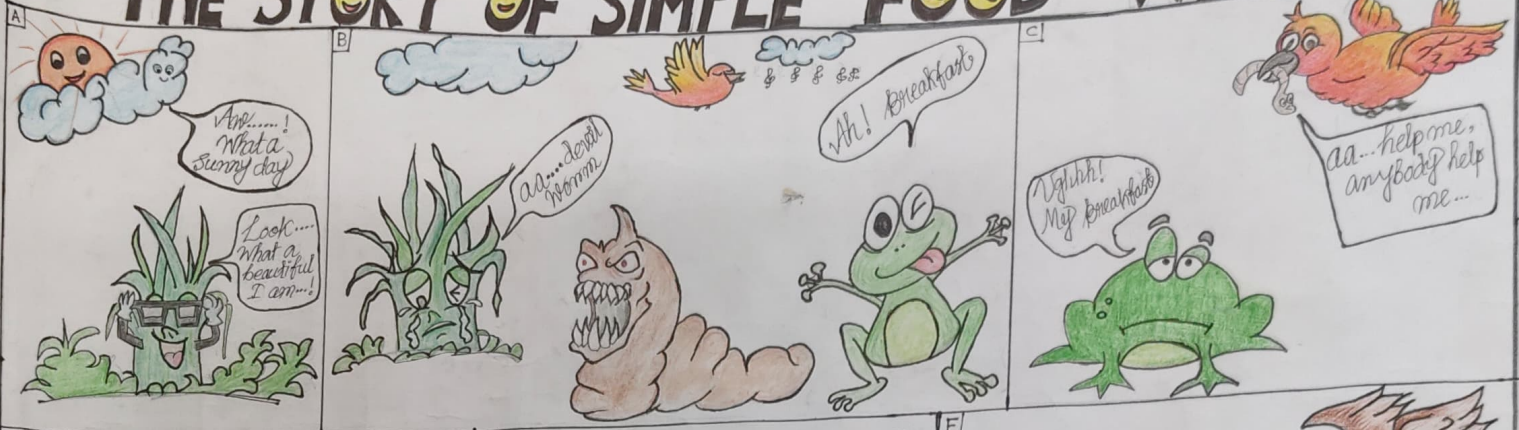
Roll No → 200242012

Alisha Khafoon

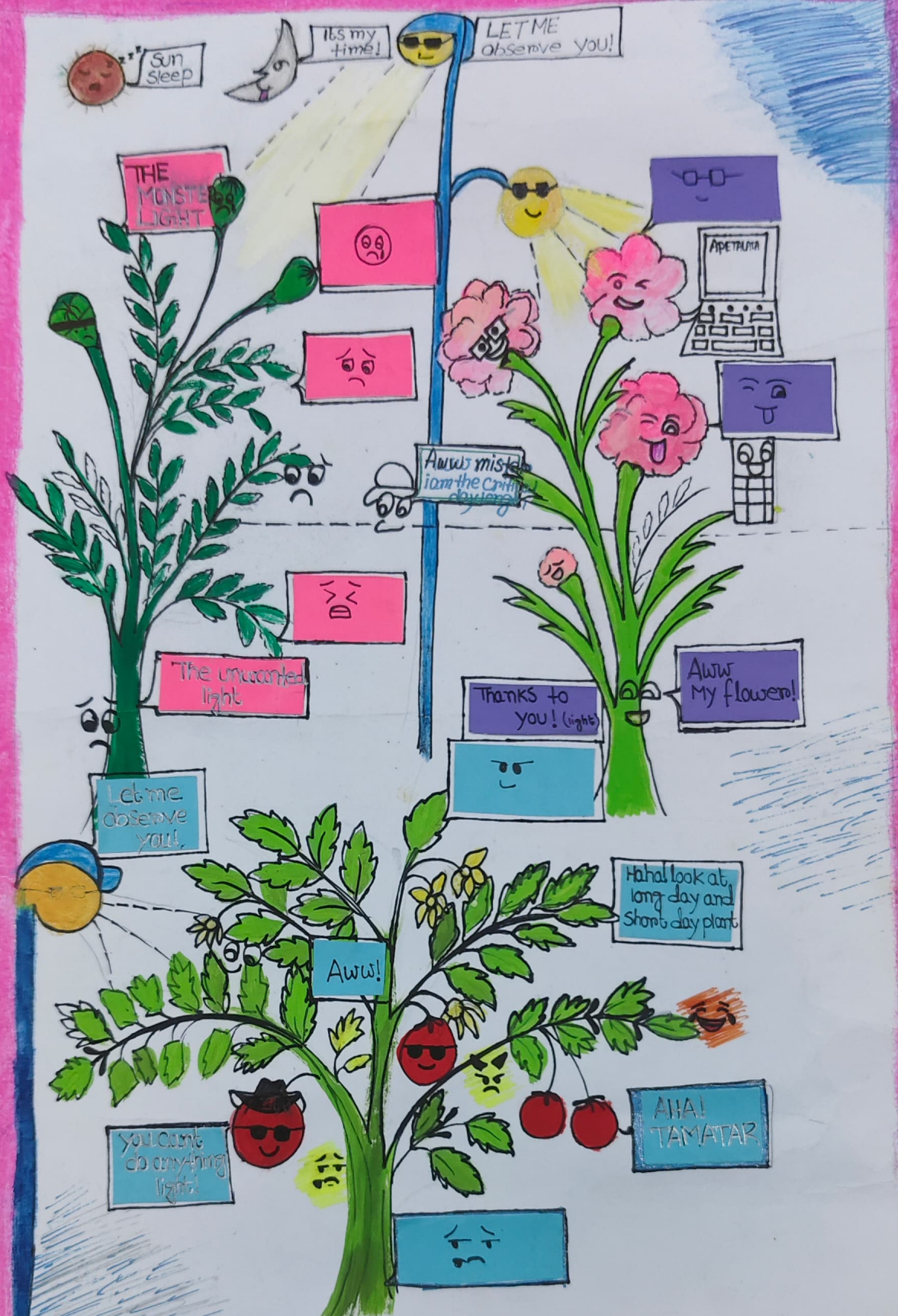
Roll No. → 200242018

[Msc. 1st year]

THE STORY OF SIMPLE FOOD WEB

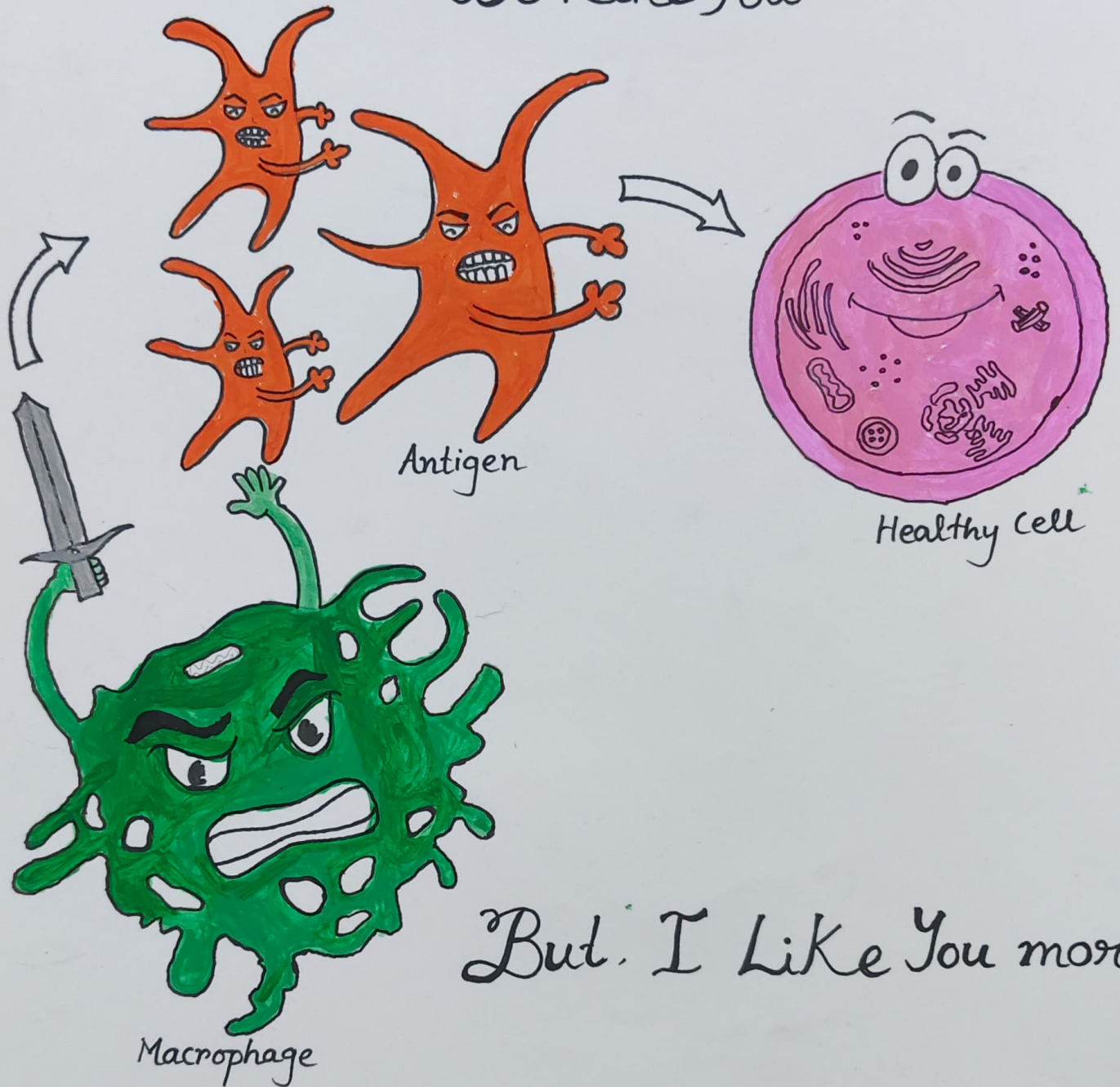


Name: Sumaiya Praveen
 Roll no: BOT242002
 Stream: MSc. in Botany
 Topic: The Story of Simple Food Web



The relative length of day and night is known as photoperiod. Some plants need to be exposed to sunlight for particular duration of time to induce flowering. This is the reason behind the seasonal blooming of flowers.

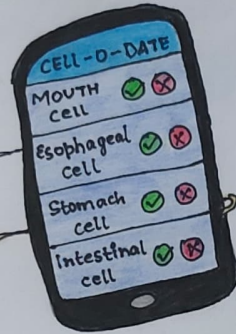
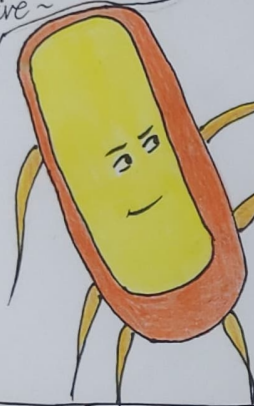
We Like You



Cell On A Date

Intestinal cell, here I comeee!
Who knew being a bacterium
could be so..... Ahem!

Attractive~



Oh, you know, just causing
a little chaos in the gut.
How about you?

Well that sounds boring!
How about we skip this
dinner?

Wow! you seem a bit different,
What do you do for fun?

I just hang out here,
helping with my human's
digestion.

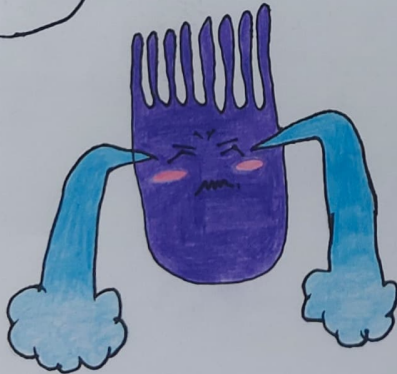
But I am all dressed
up. I can't make a chaos...



Sorry then, YOU are not my
type. Bye, don't text me.

OH NO! Don't cry too much....
I heard excessive tears can lead
too.....

But I
thought we had
a VIBE!?



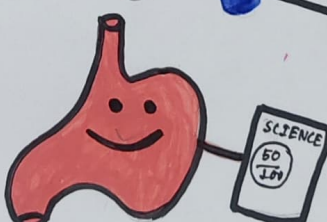
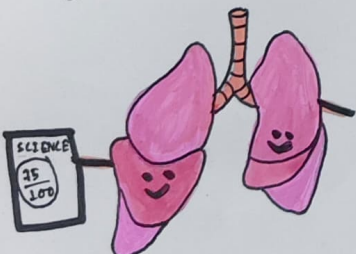
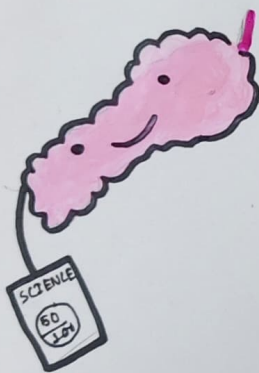
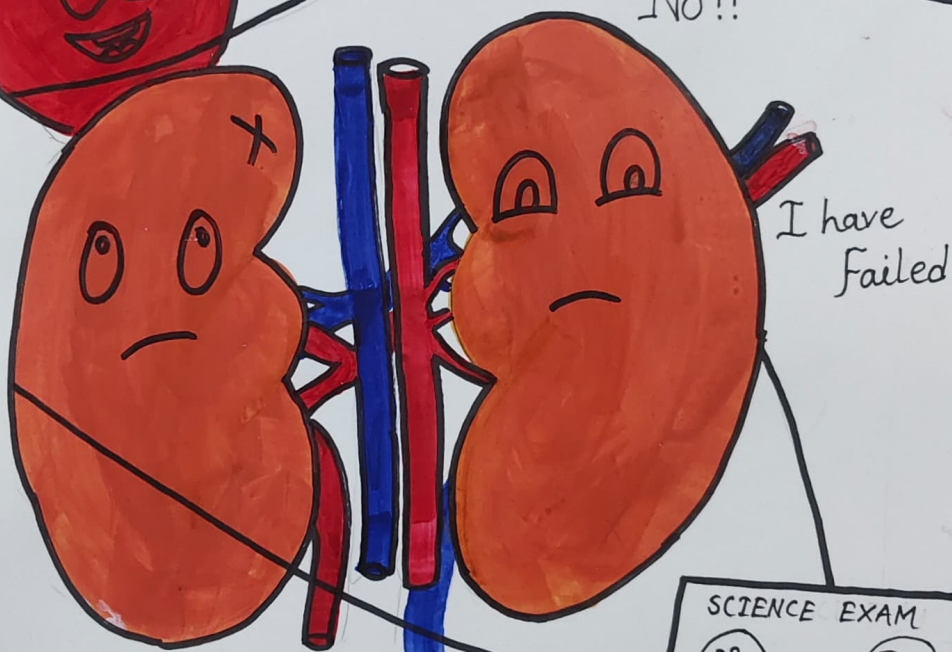
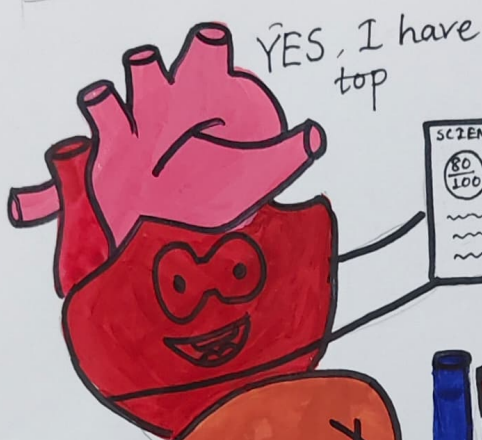
OH NOO!!
NOT NOW!
There's not a
single
washroom
NEARBY!



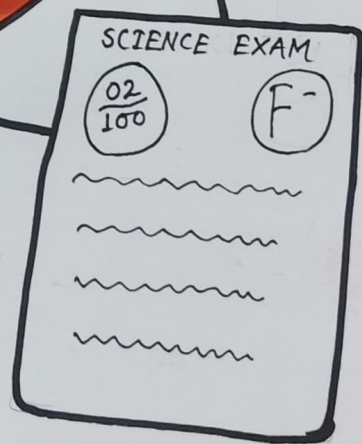
Cardiac under
arrest due to
overspeeding



KIDNEY FAILURE



Not Bad 😊

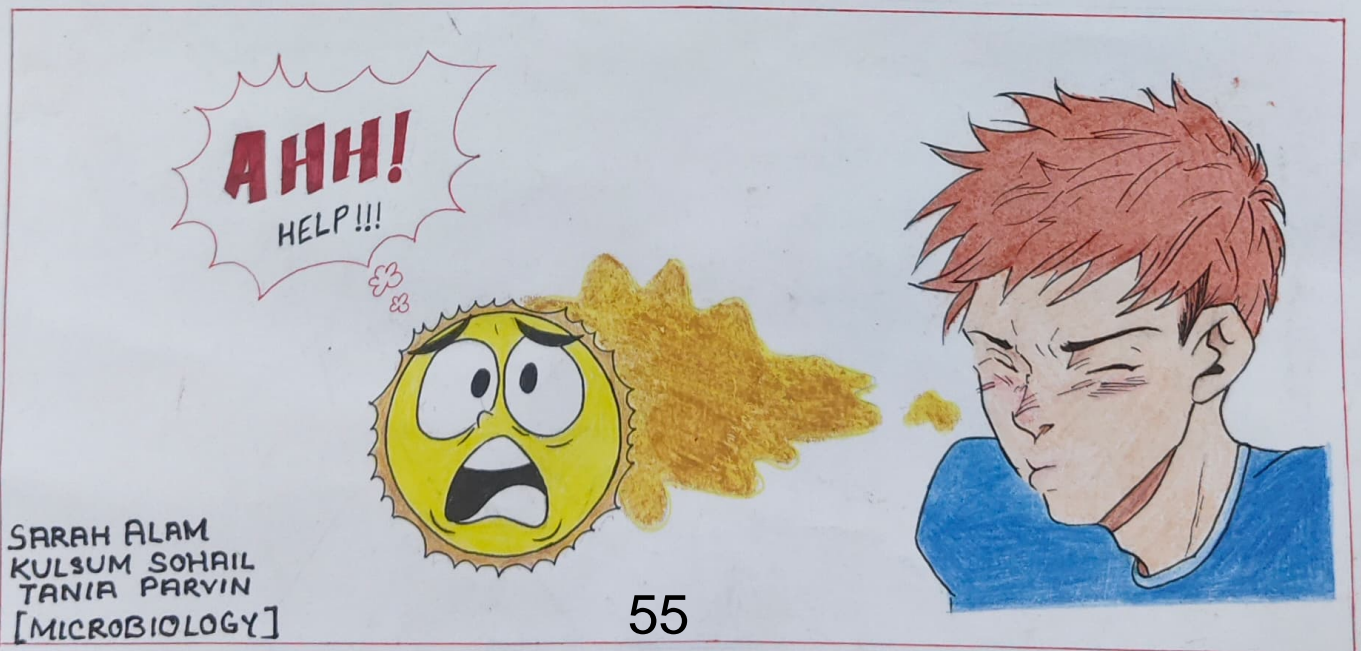
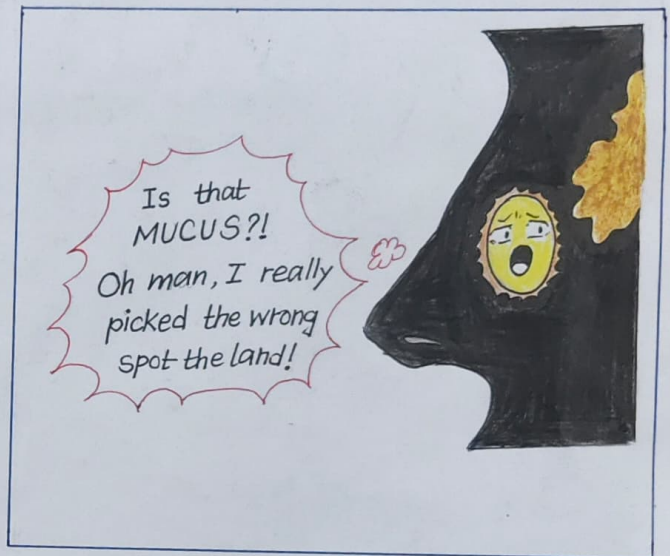
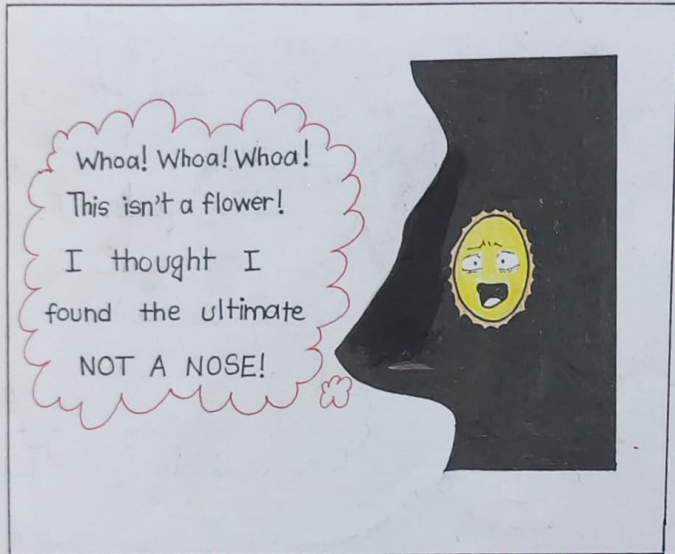
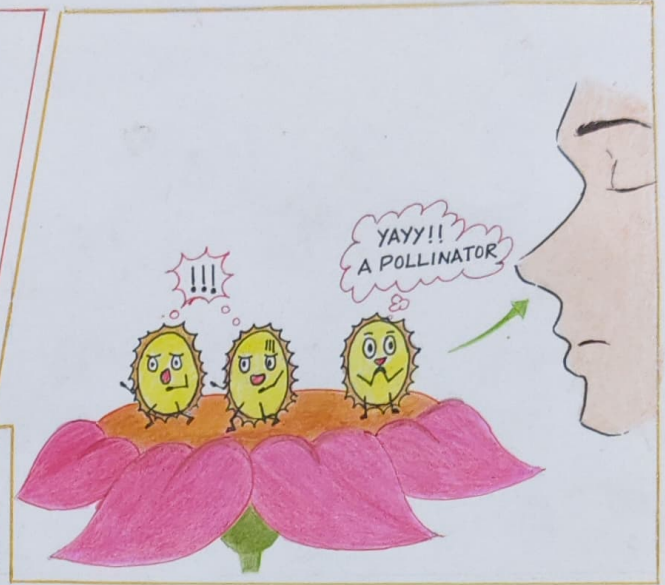
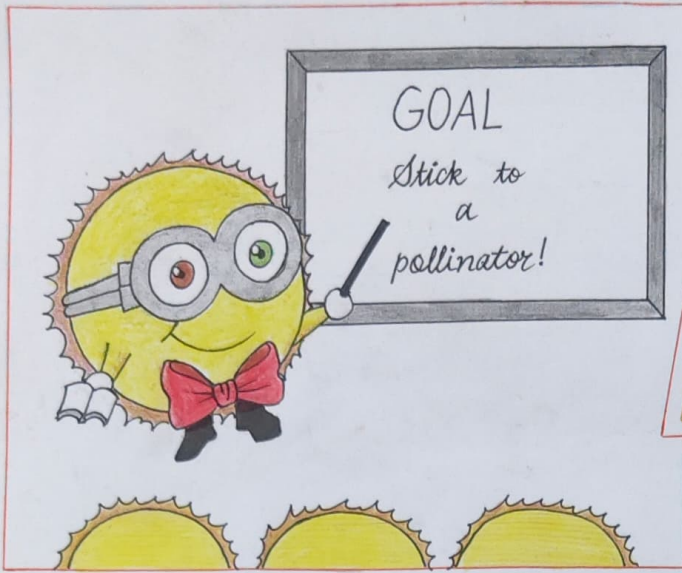


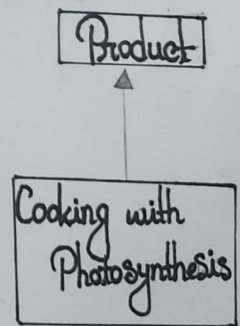
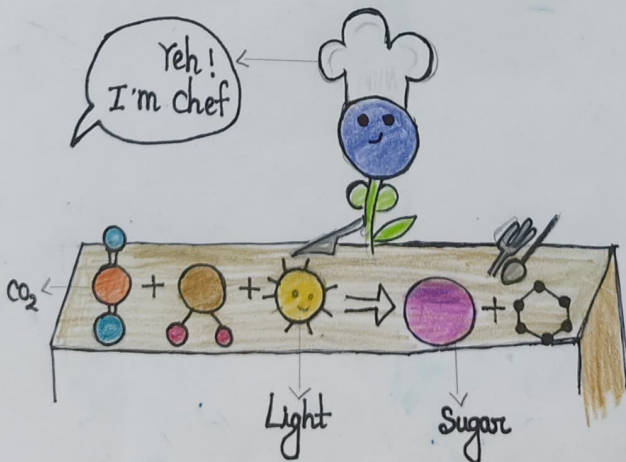
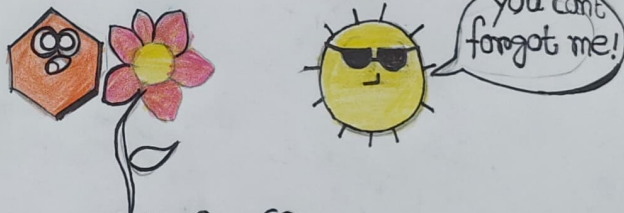
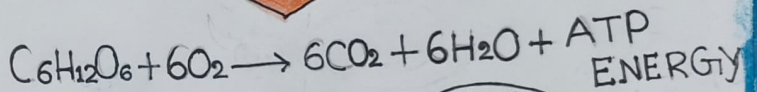
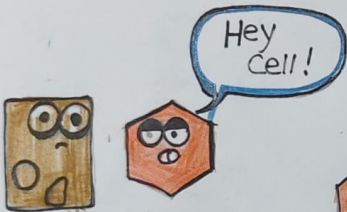
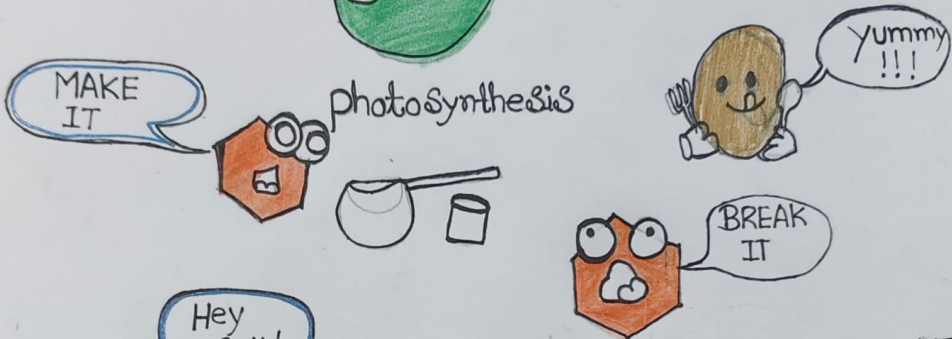
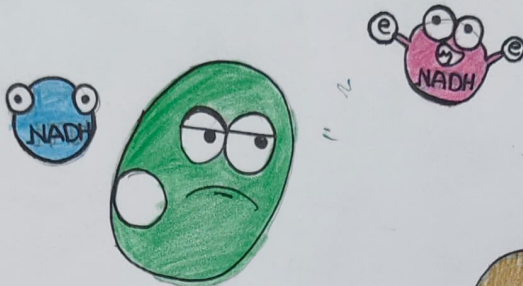
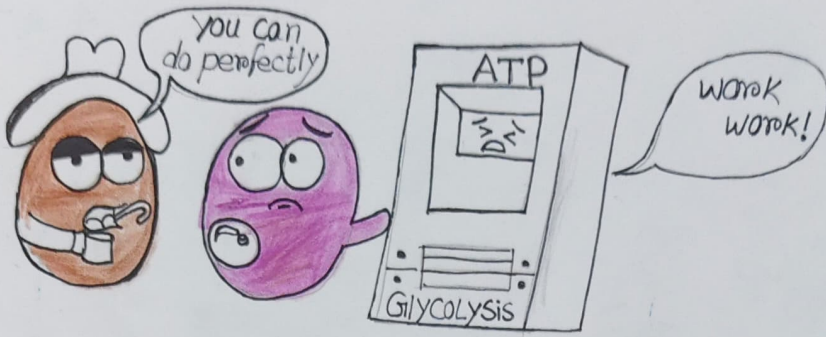
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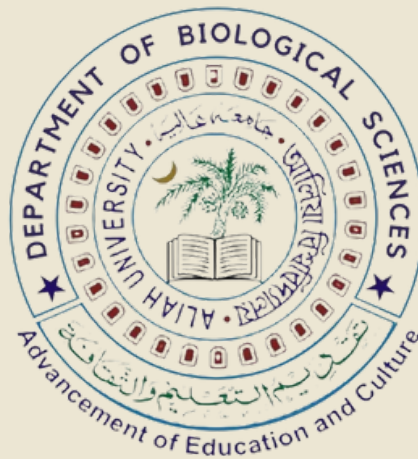




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