

NUTRITION IN PLANT

diagrams &

Chlorophyll

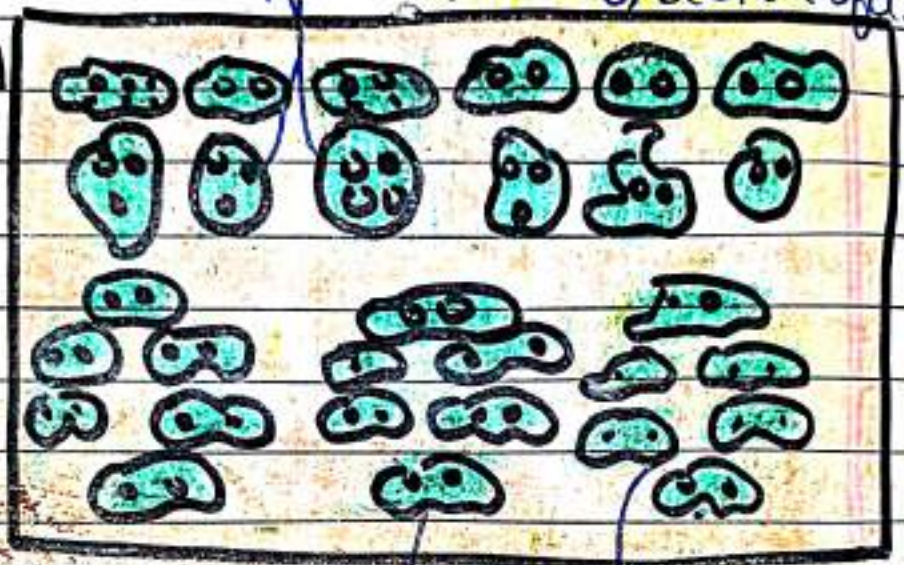
b) section of a leaf

1) a)



= leaf

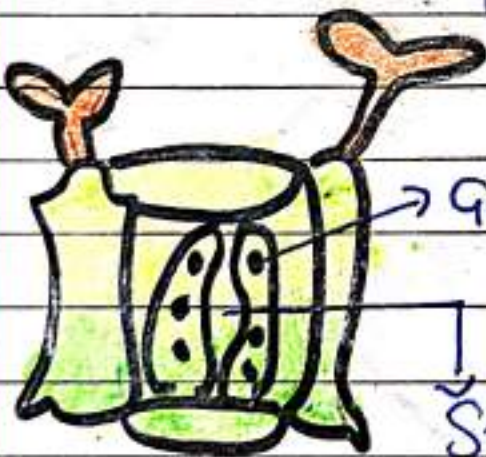
b)



Stoma

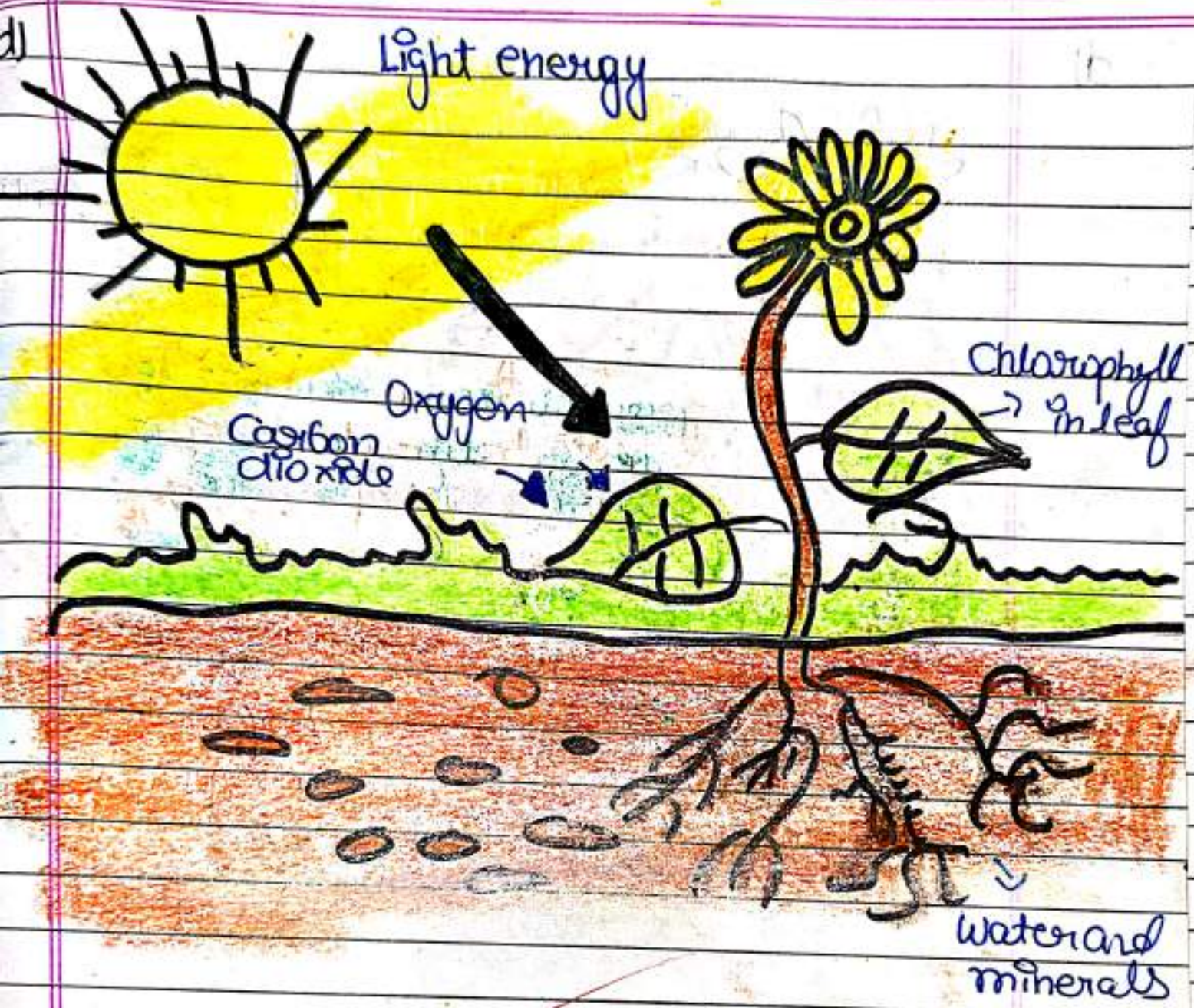
Guard cells

c)



Stomatal opening

c) stoma



d)

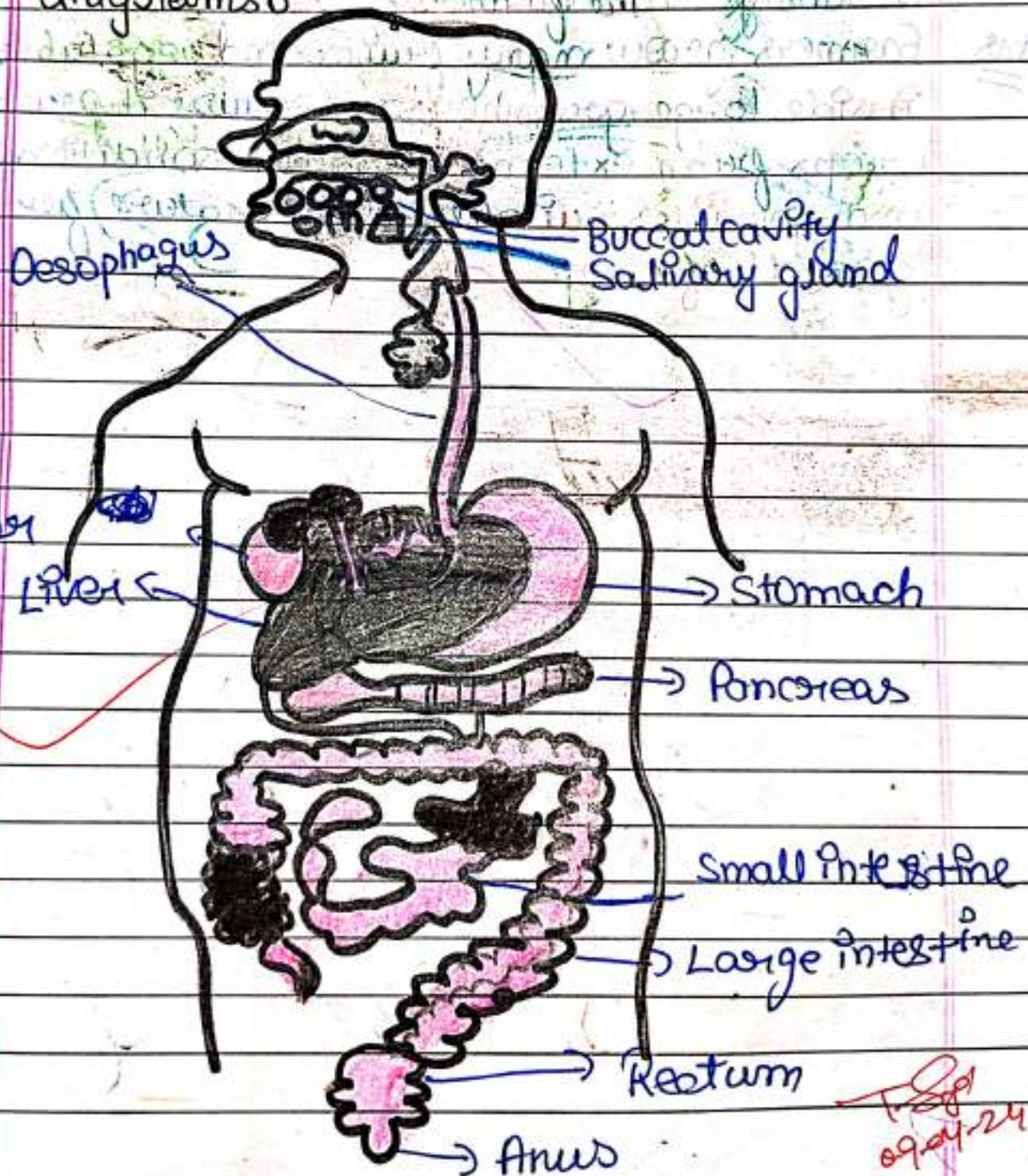


↓
Leaf modified
into pitcher

NUTRITION IN ANIMALS

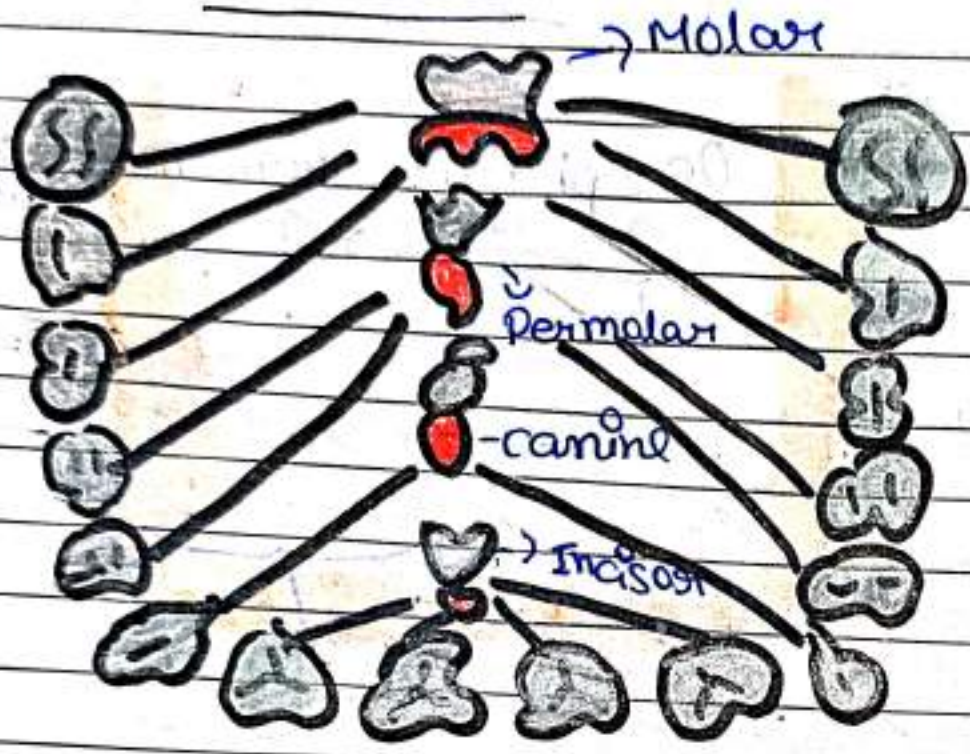
* diagrams of

al



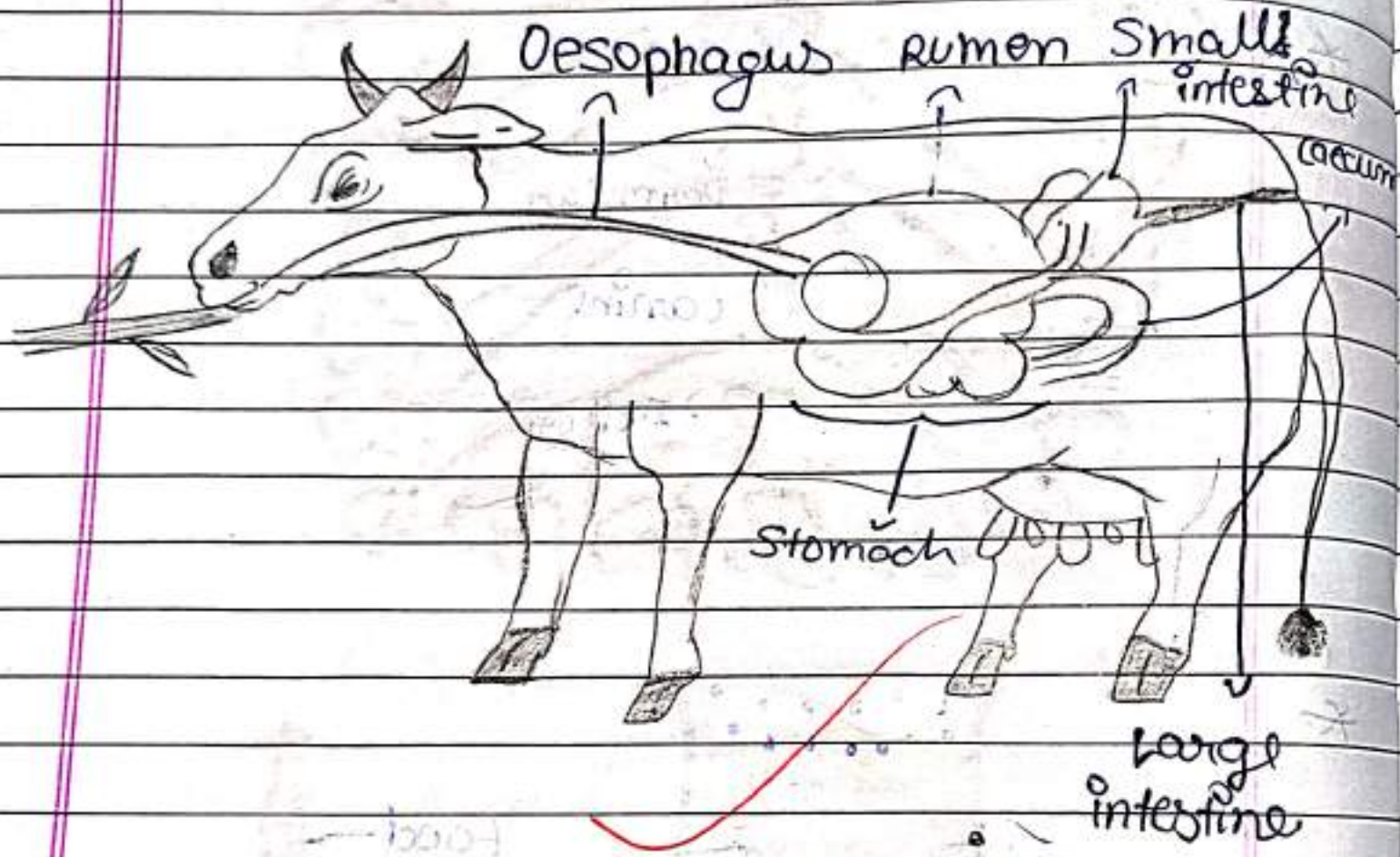
T.S.P.
09/01/24

DIAGRAMS:-



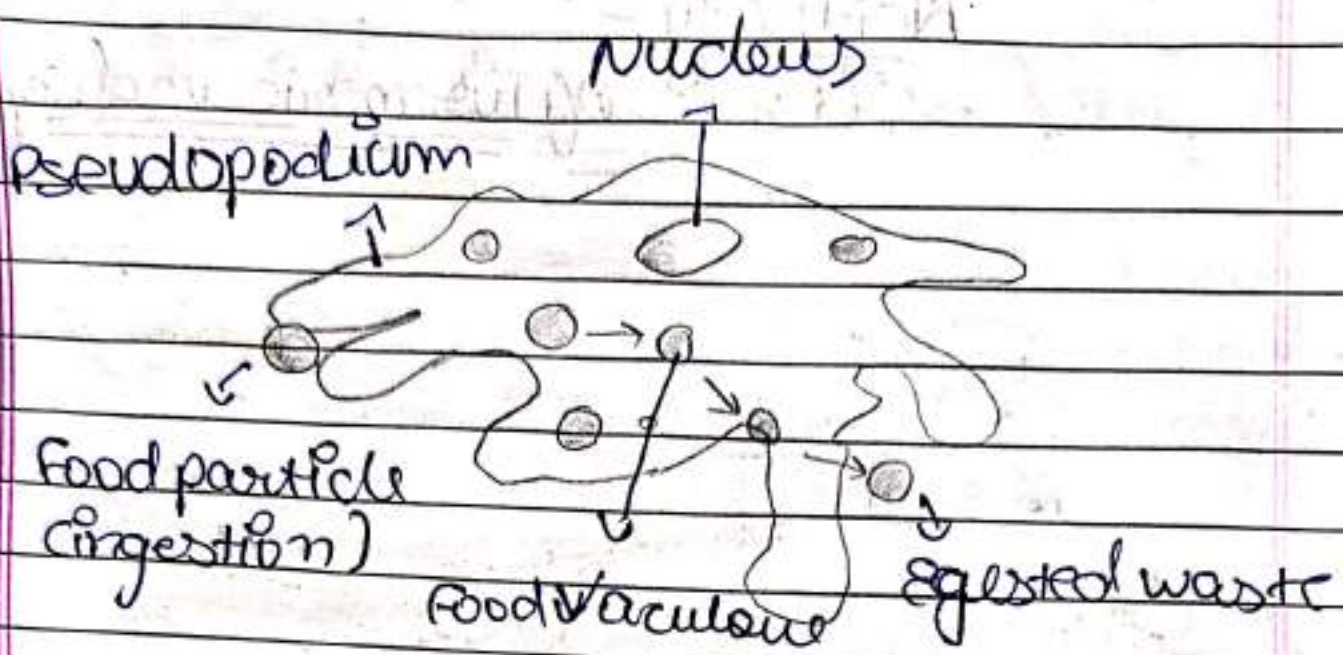
TSP
22/01/21

Diagrams!



36	37	38
2	1	3

M. 8/5/21



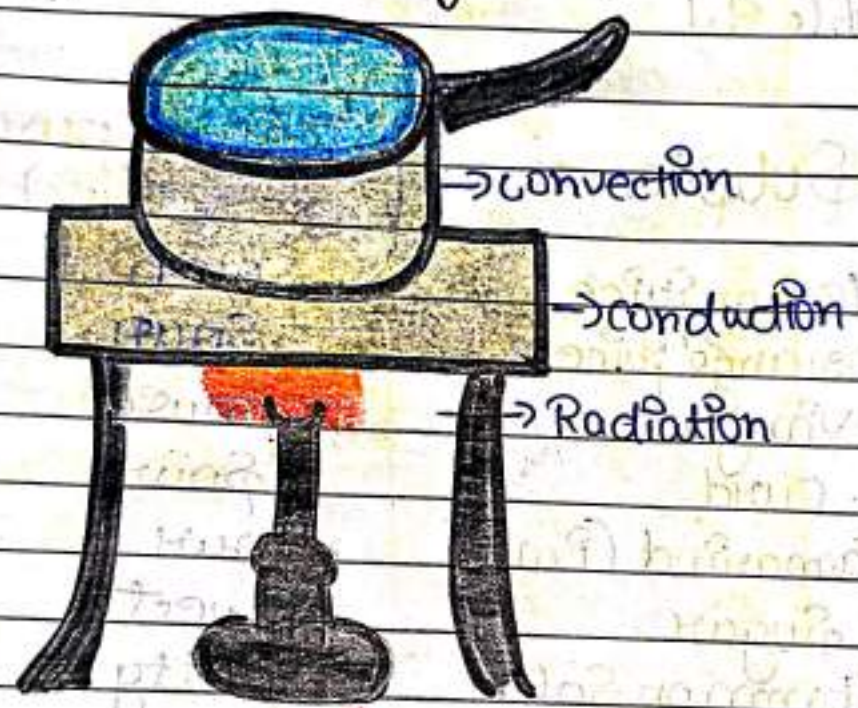
20/10/2024
Submission file

30/4/24

CH-HEAT!

Qb Look at Fig. 313. Mark where the heat is being transferred by conduction, by convection and by radiation.

Ans



✓
10/2/24

8/05/24

Page No. _____

Date

Acids, Bases and salts

* Table :-

* Table 4.1

Substance	Taste (Sour/bitter/ any other)
Lemon juice	Sour
Orange juice	Sour
Vinegar	Sour
Curd	Sour
Tamarind (imli)	Sour
Sugar	Sweet
Common salt	Salty
Amla	Sour
Baking soda	Bitter
Grapes	Sour
Unripe mango	Sour
Cucumber	any other taste

* Table 4.3 :-

S.No.	Test solution	Effect on turmeric solution	Remarks
1.	Lemon juice	No effect	Acidic
2.	Orange juice	No effect	Acidic
3.	Vinegar	No effect	Acidic
4.	Milk of magnesia	Turns red	Basic
5.	Baking soda	Turns red	Basic
6.	Lime water	Turns red	Basic
7.	Sugar	No effect	Neutral
8.	Common salt	No effect	Neutral

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28/6/24

Page No. _____

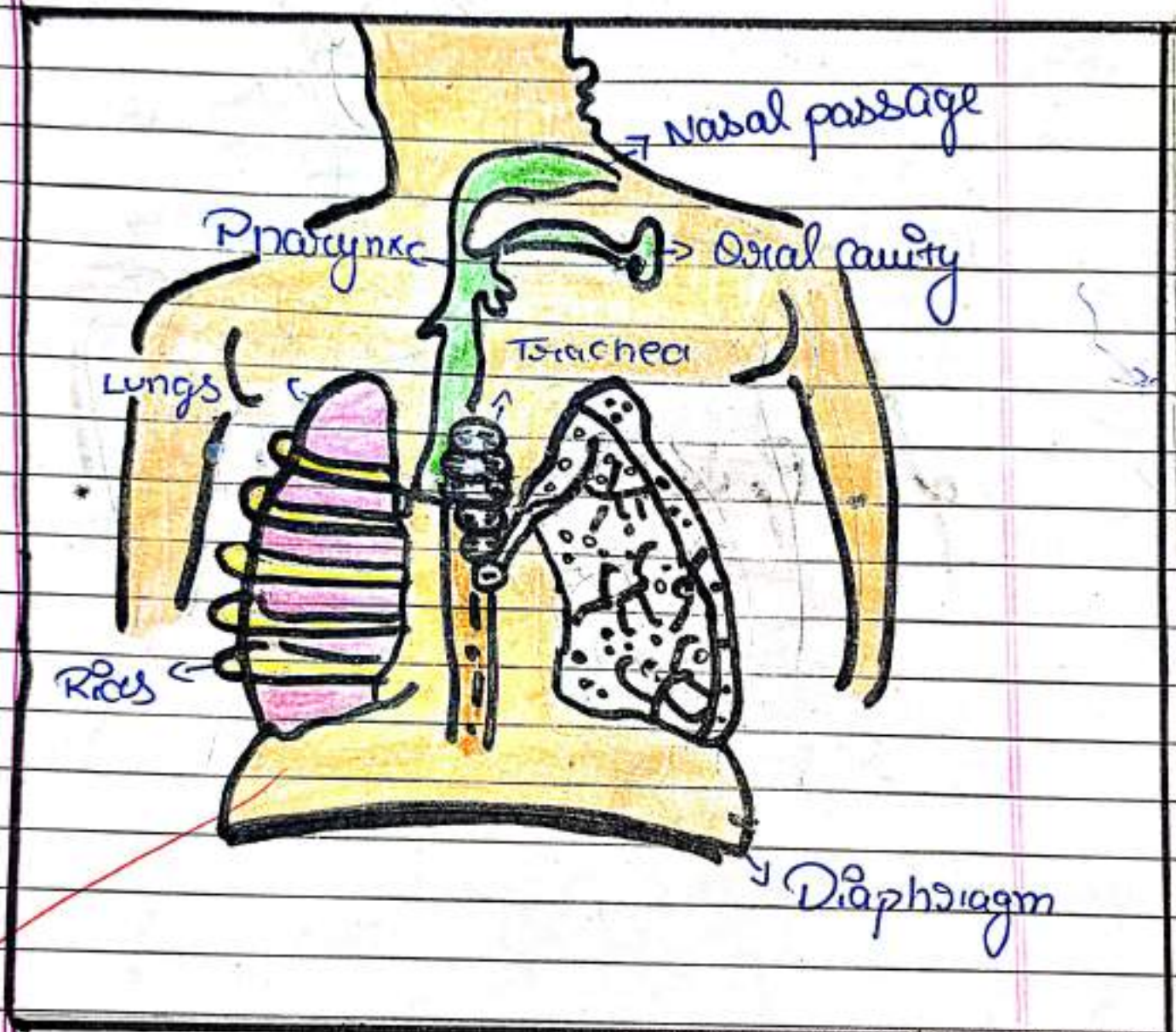
Date

Physical And Chemical Changes!

1. Physical changes:-
1. boiling water.
 2. Cutting wood.
 3. Breaking cup.
 4. Melting sugar cube.
 5. Freezing water.
 6. mixing sand and water.
 7. Tearing paper.
 8. Melting an ice cube.
 9. Crumpling of paper.
 10. Trees growth.

TSE
28/06/24

CH- Respiration in Organisms



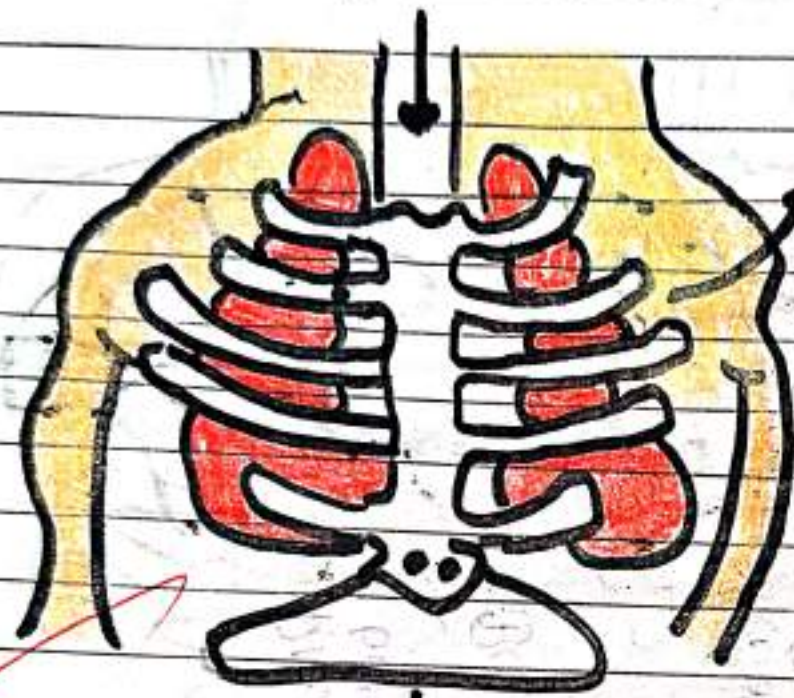
HUMAN RESPIRATORY SYSTEM

* Before swimming = 19 , After swimming = 37

29/6/21

* Diagram!

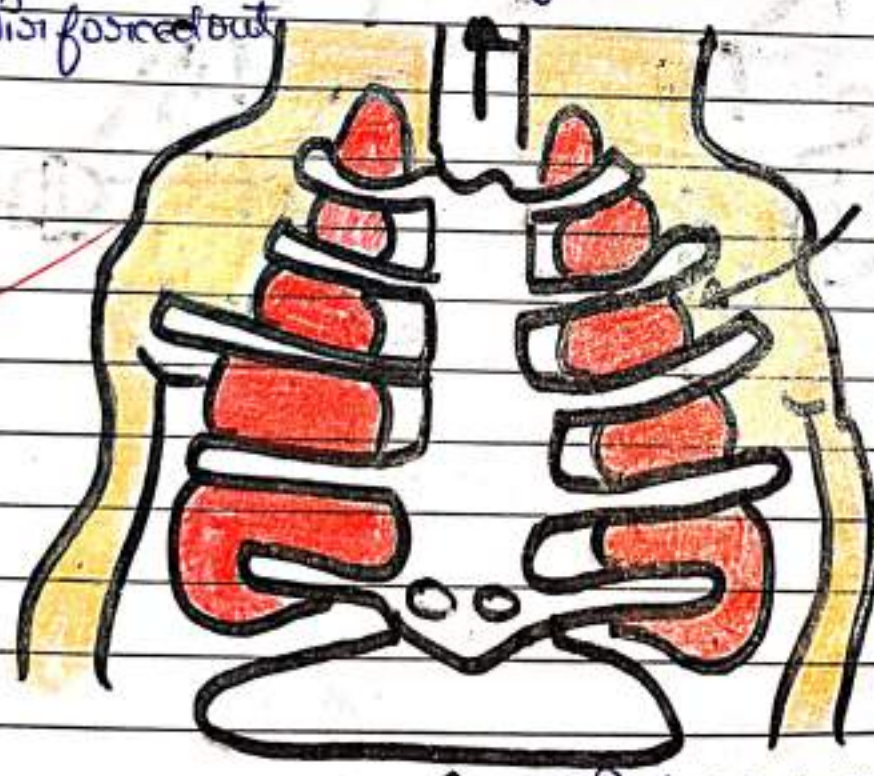
Air is drawn in



a) Inhalation
Ribs move out

Diaphragm moves down

Air forced out

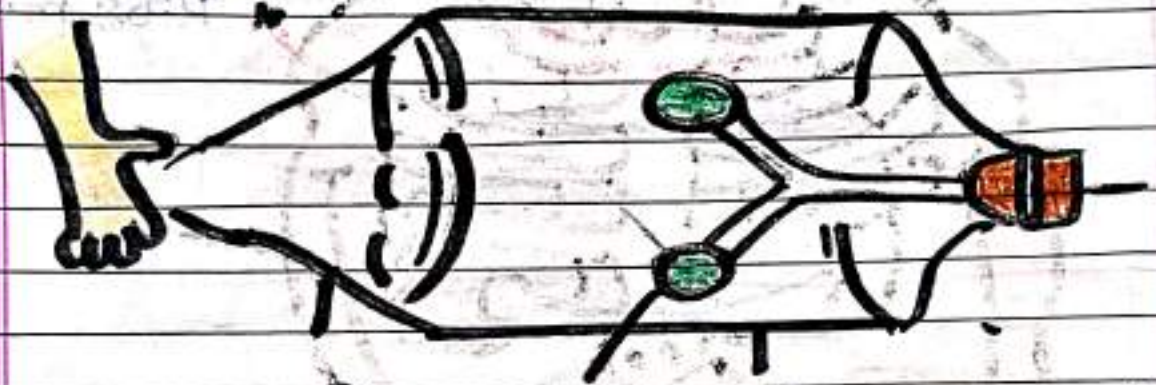


Ribs moves back

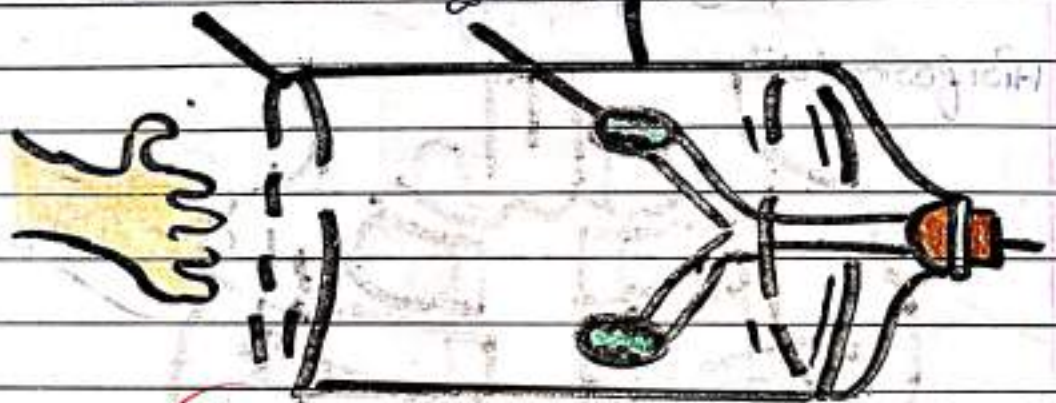
b) Exhalation

Diaphragm moves back

* Diagrams!

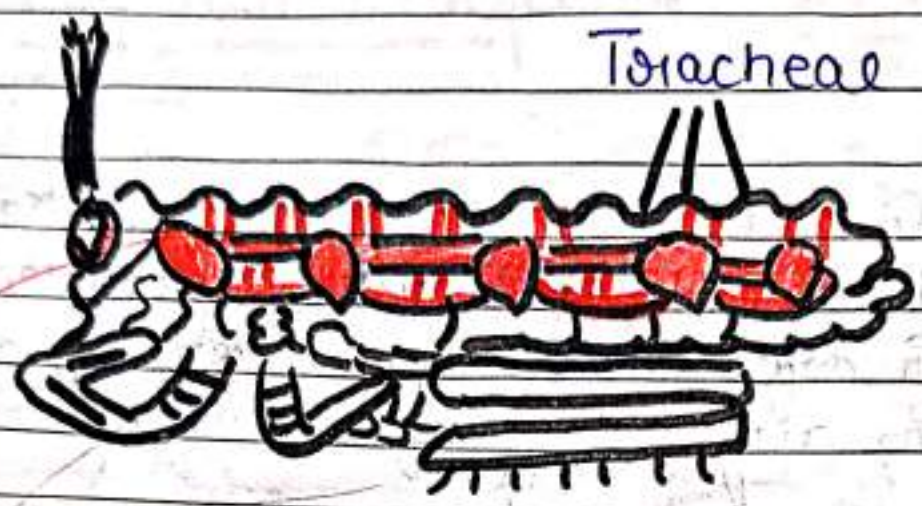


Rubber Sheet
Ballons
Plastic bottle



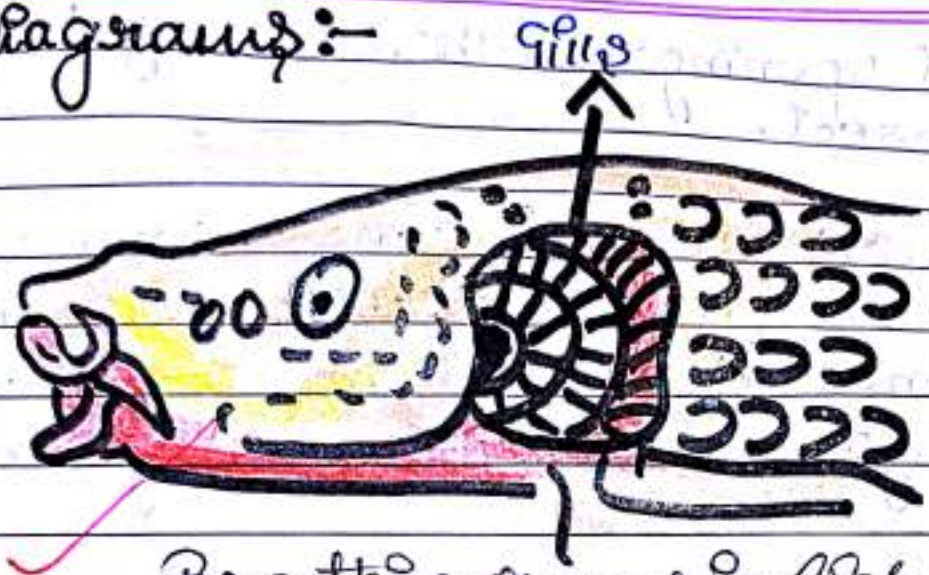
Plastic bottle

* Diagrams!

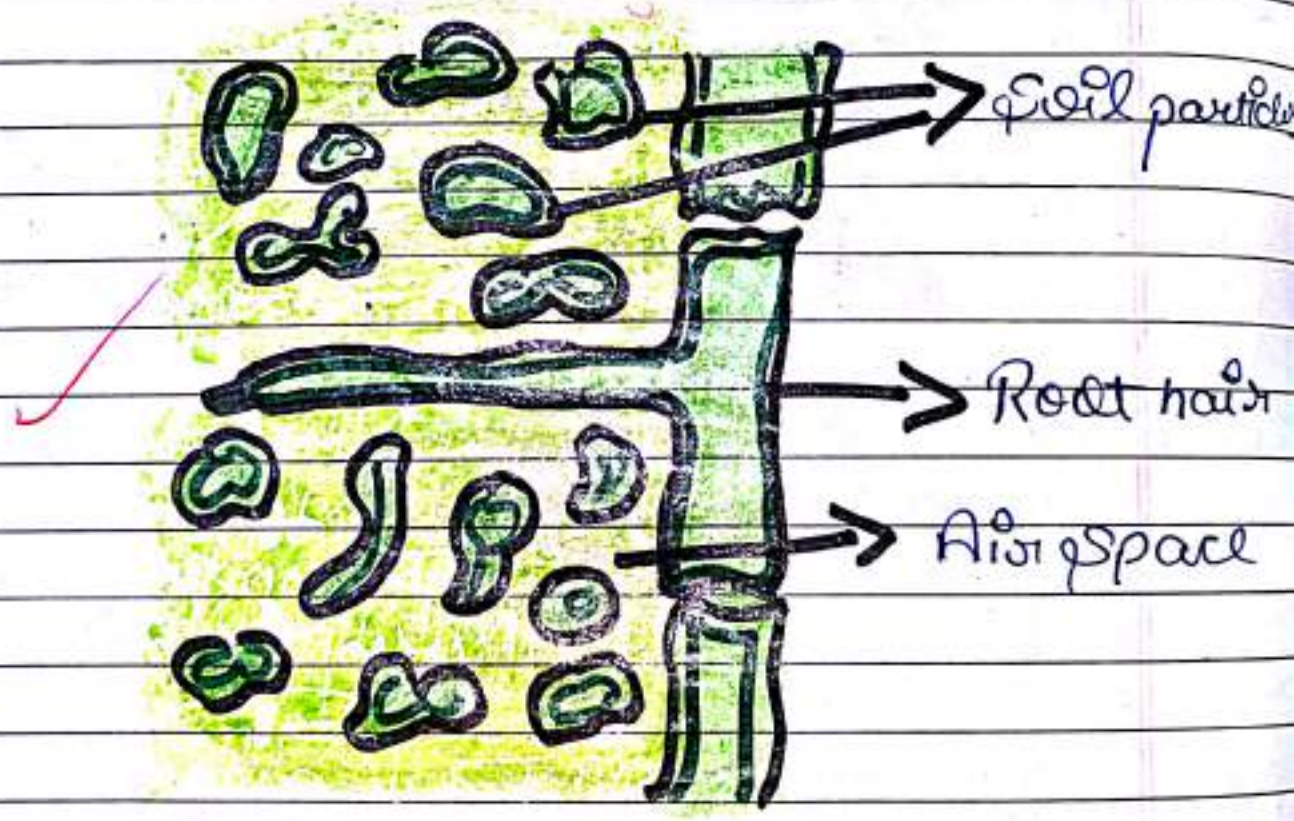


04/7/24

* Diagrams:-



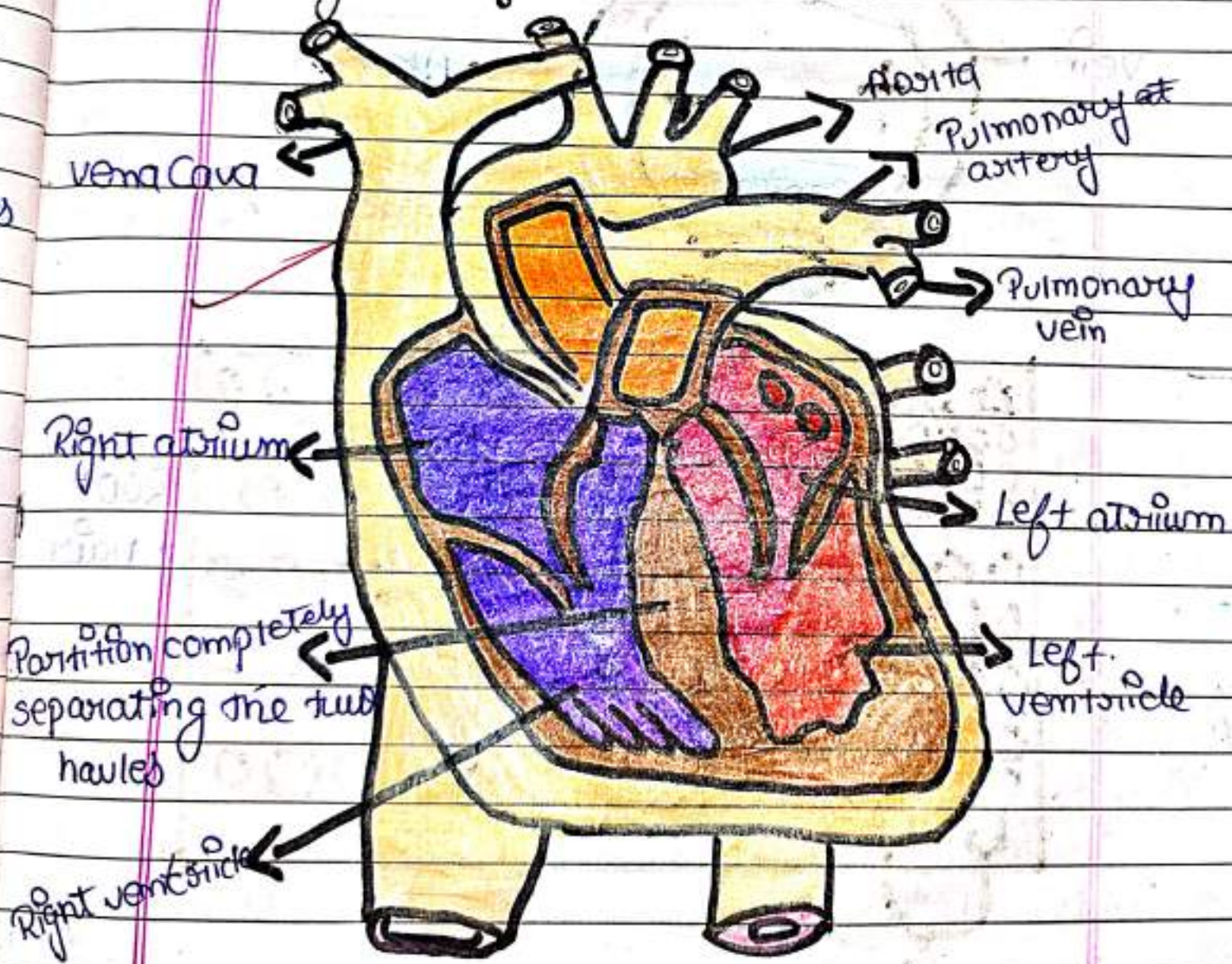
Breathing organs in fish.



Roots absorb air from the soil.

CH = Transportation In Animals and Plants!

* Diagrams!



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Lungs

Pulmonary artery



Pulmonary vein



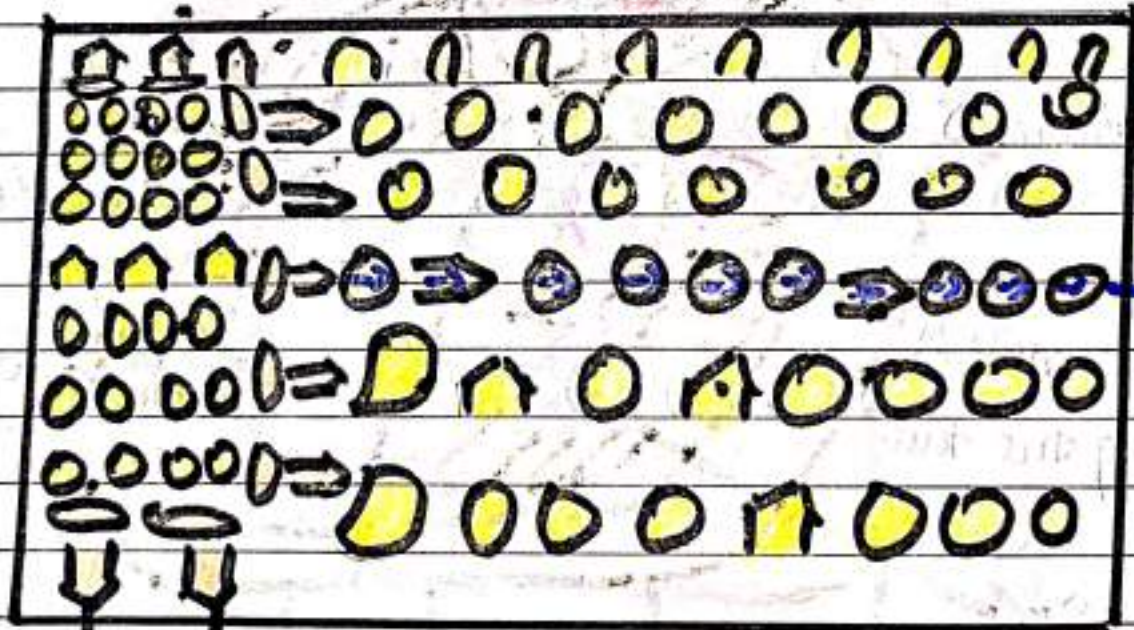
Vein



Artery



capillaries



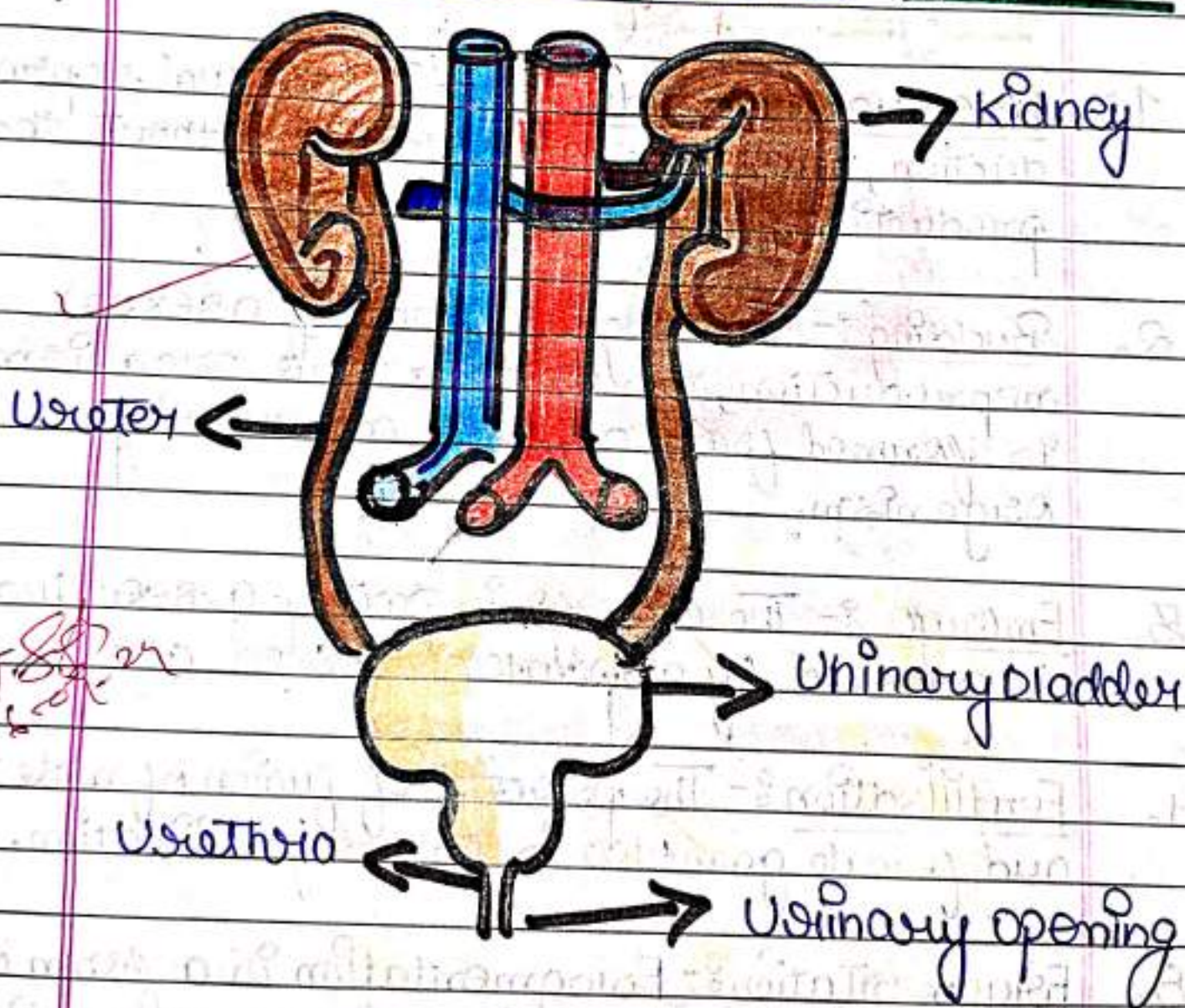
Root nodule

Xylem vessels

Q13 Draw a diagram of the human excretory system and label the various parts?

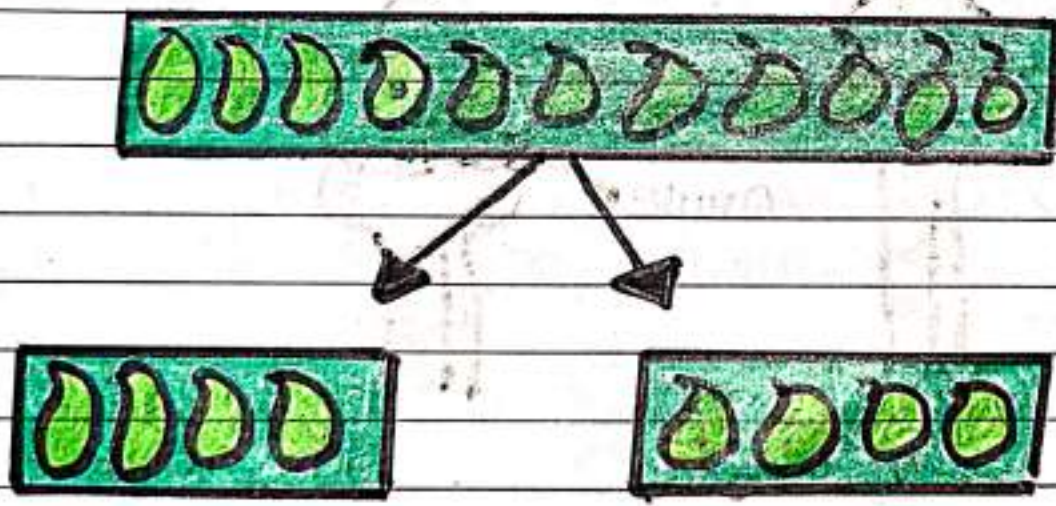
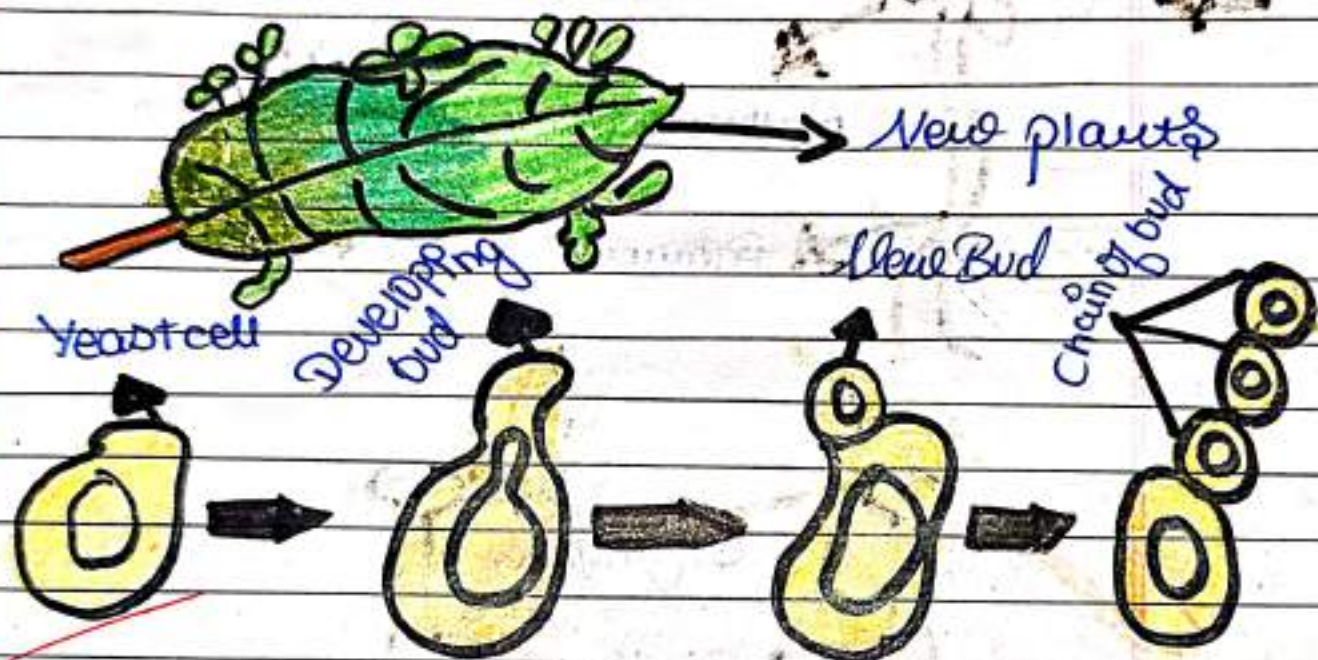
Ans

HUMAN EXCRETORY SYSTEM



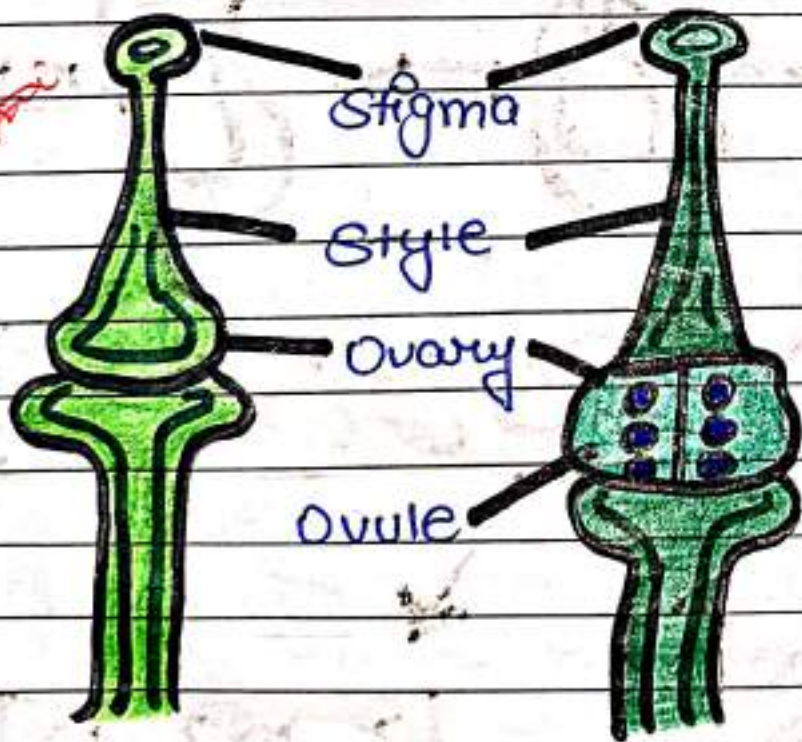
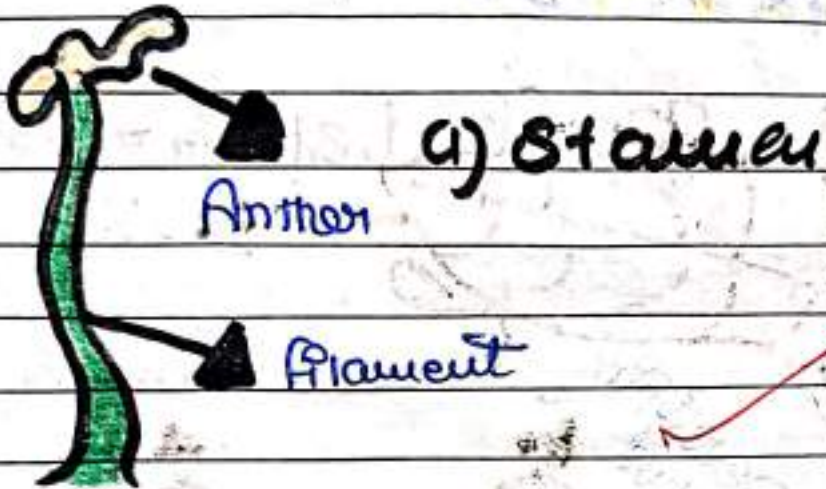
Ch = Reproduction In Plants

* DIAGRAMS :-



* Q/Answers (OF H.W)

Q5 Sketch the reproductive parts of a flower?



b) Pistil

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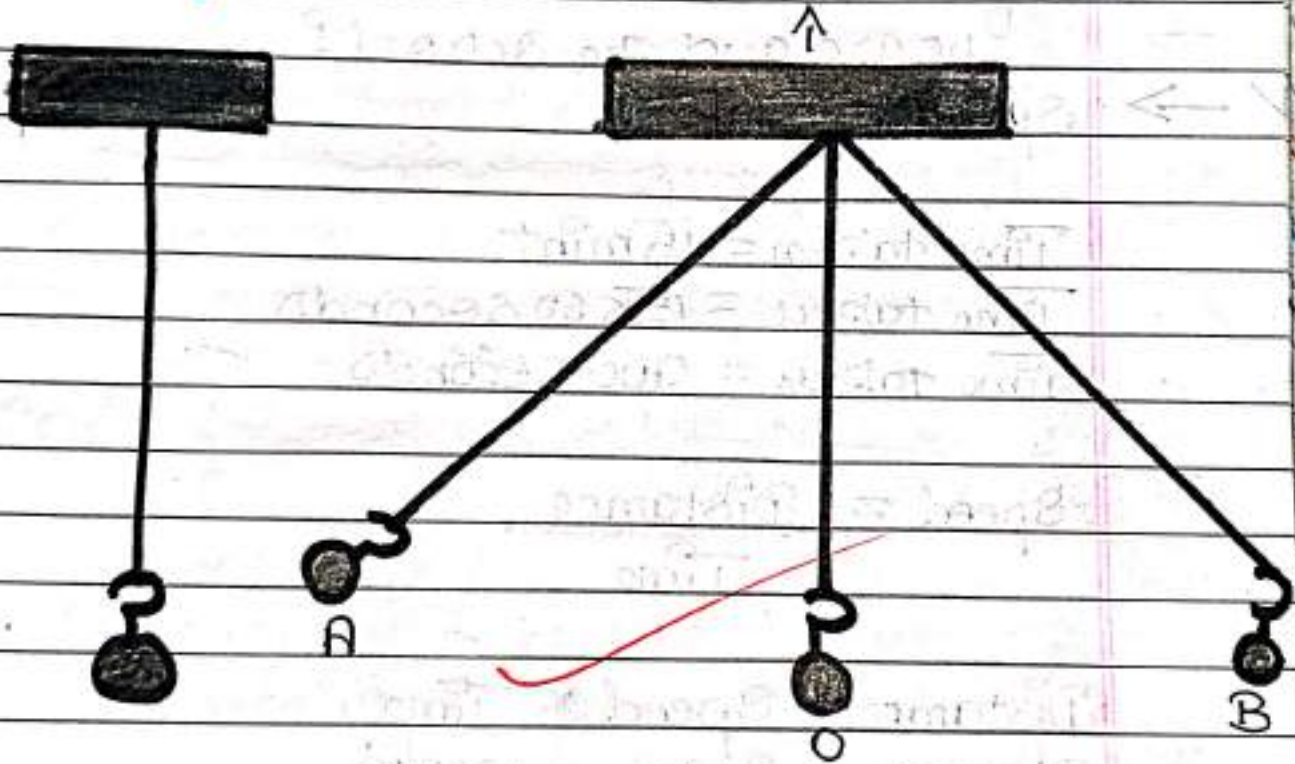
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5th August, 2024

CH - Motion And Time

Diagram

Simple pendulum



A simple pendulum consists of a small metallic ball or a piece of stone suspended from a rigid stand by a thread. The metallic ball is called bob of the simple pendulum.

Shob-24

08/08/2024

Page No. _____

Date _____

CH - Motion And Time

Q10 Salma takes 15 min. from her house to reach her school on a bicycle. If the bicycle has a speed of 2 m/s. Calculate the distance between her house and the school?

→ Speed = 2 m/s

Time taken = 15 min

Time taken = 15×60 seconds

Time taken = 900 seconds

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Distance} = \text{Speed} \times \text{Time}$$

$$\text{Distance} = 2 \times 900 = 1800 \text{ m}$$

$$\text{Distance} = \frac{1800}{1000} = \frac{18}{10} = 1.8 \text{ km}$$

Q11 A car moves with a speed of 40 km/h for 15 min and then with a speed of 60 km/h for the next 15 minutes. Total distance covered by the car is

i) 100 km ~~ii) 25 km~~ iii) 15 km ~~iv) 10 km~~

Selection of Q. no. 1)

February

Ans

Case: 1

$$\text{Speed} = 40 \text{ km/h}$$

$$\text{Time} = 15 \text{ min} = \frac{15}{60} \text{ hr} = \frac{1}{4}$$

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$\text{Distance} = \text{Speed} \times \text{Time}$$

$$\text{Distance} = 40 \times \frac{1}{4} = 10 \text{ km}$$

Ans

Case: 2

$$\text{Speed} = 60 \text{ km/h}$$

$$\text{Time} = 15 \text{ min} = \frac{15}{60} \text{ hr} = \frac{1}{4}$$

$$\text{Distance} = \text{Speed} \times \text{Time}$$

$$\text{Distance} = 60 \times \frac{1}{4} = 15 \text{ km}$$

$$\text{Total distance} = (10 + 15) \text{ km} = 25 \text{ km}$$

→ i) 25 km ii) 10 km are correct

Homework

Page No. _____

Date _____

Q10 A car moves with a speed of 40 km/h for 15 minutes and then with a speed of 60 km/h for the next 15 minutes. The total distance covered by the car is :-

Q11 100 km 25 km 15 km 10 km
 25 km is correct.

Q11 Suppose the two photographs shown in fig. 9.1 and 9.2 had been taken at an interval of 10 seconds. If a distance of 100 m is shown by 1 cm in these photographs calculate the speed of the blue car, fastest car.

→ The distance covered by blue car which is measured by scale is 1.2 cm .
It is given that 1 cm is equivalent to 100 m .
Therefore, 1.2 cm is equivalent to 120

$$\text{Distance} = 120$$

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

$$= \frac{120}{10}$$






$$= 12 \text{ m/s}$$

12 m/s

Ph. 1.13

Page No. 19

Date

S.No.	Electronic Component	Symbols
1.	Electronic Cell 	
2.	Electronic Bulb 	
3.	Switch in 'ON' Position 	
4.	Switch in 'OFF' Position 	
5.	Battery 	

6. Wire



Information about BATTERY

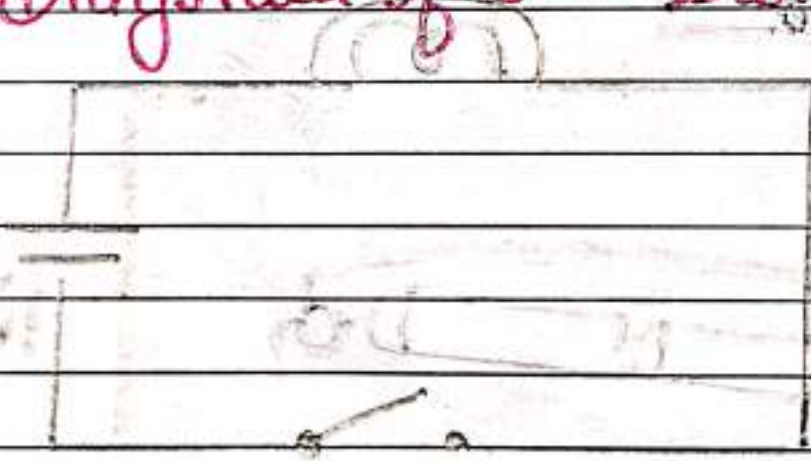
→ The positive terminal of one cell is connected to the negative terminal of the next cell. Such a combination of two or more cells is called a **battery**.

* Diagram of 'ON' Switch



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 12-10-21

* Diagram of 'OFF' Switch



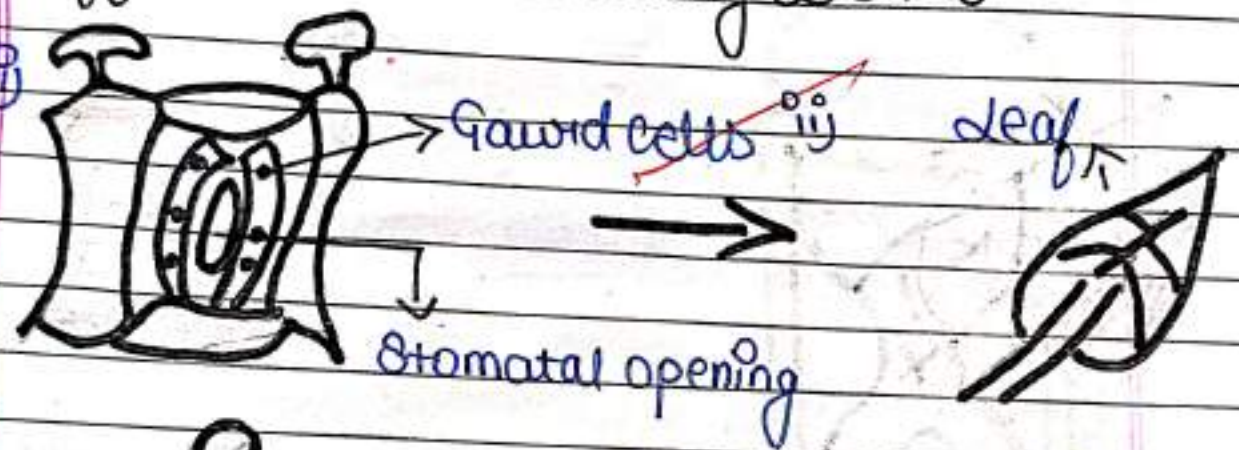
8/10/24

Holiday Homework!

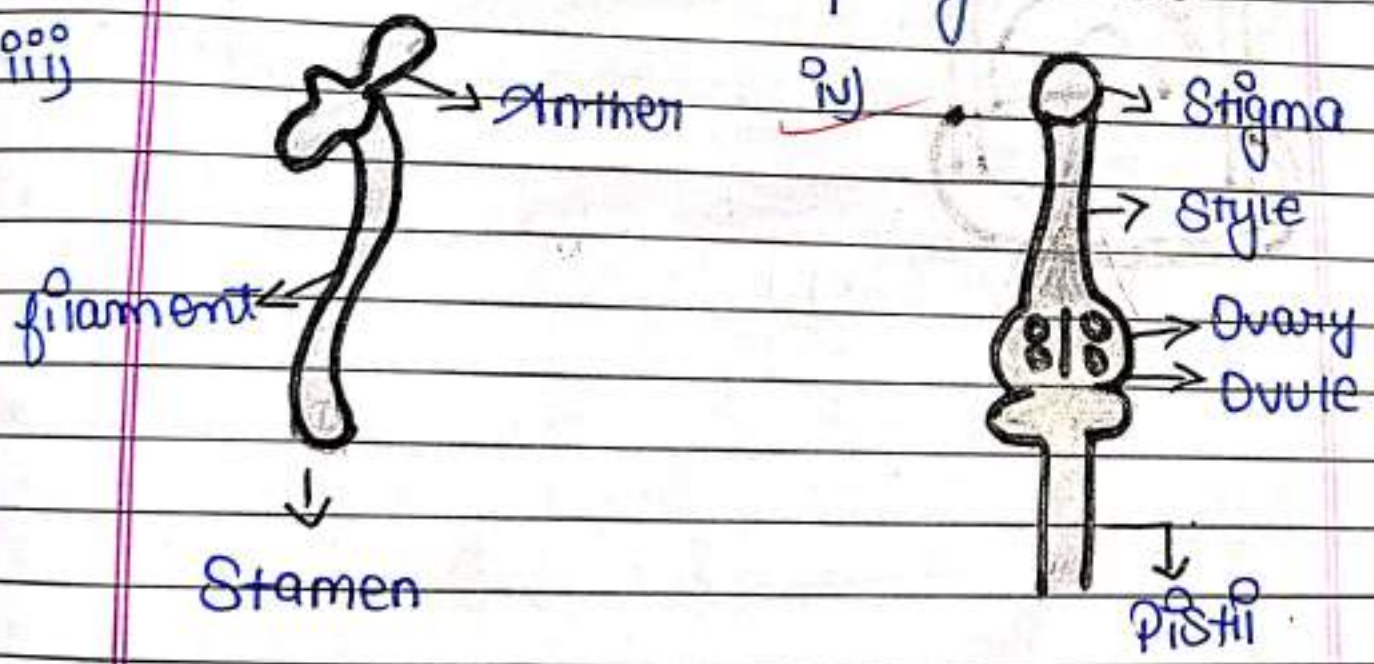
Q1 Complete your map and learner's diary?
Completed.

Q2 Draw the diagram of:-
a) Different part of flower
b) Different time measuring devices

Ans a) i)

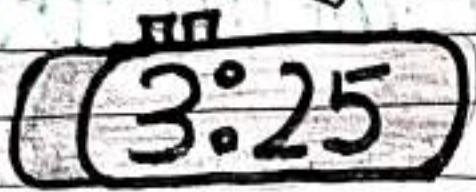


iii)

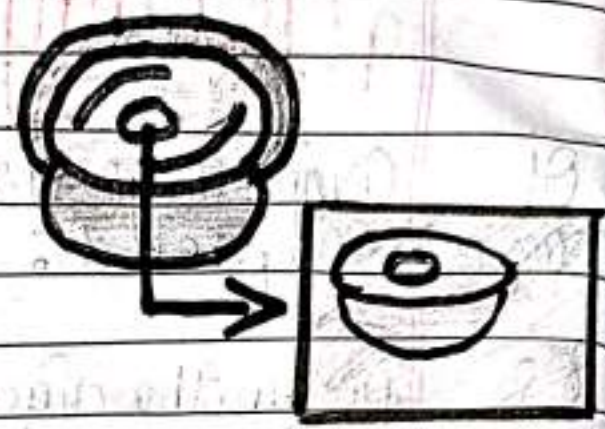


Ans b) Digital clock → , water clock

i)



ii)



iii)

Sand clock



Q3 → Write the example of different motions in your daily life.

Ans → The examples of different motions in our daily life are:

* Translational motion :-

- walking or running
- Driving a car
- Riding a bike

* Rotational motion :-

- Turning a door handle
- Rotating a wheel
- Using a screwdriver

* Oscillatory motion :-

- Swing
- Seesaw
- Pendulum clock

* Circular motion

- Merry-go-round
- Riding a Ferris wheel
- Carousel.

* Rectilinear motion

- wheel
- Transport
- Motion of a horse in walk, animals in straight path.

Q4 → Name the five plants which are present in your garden with medicinal value.

Ans i) Turmeric.

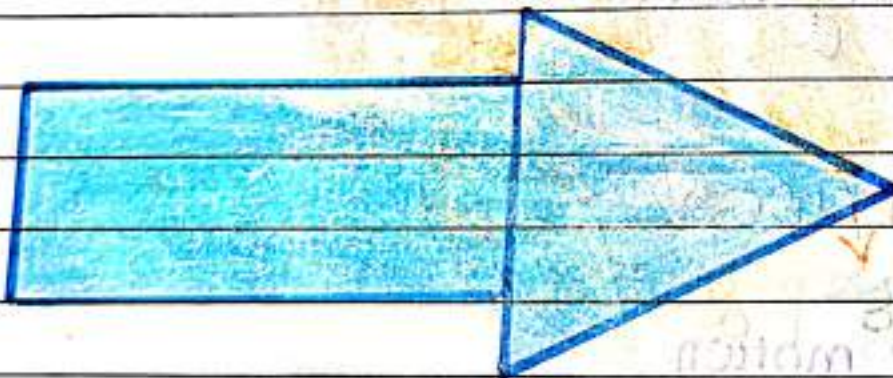
ii) Ginger

iii) Neem

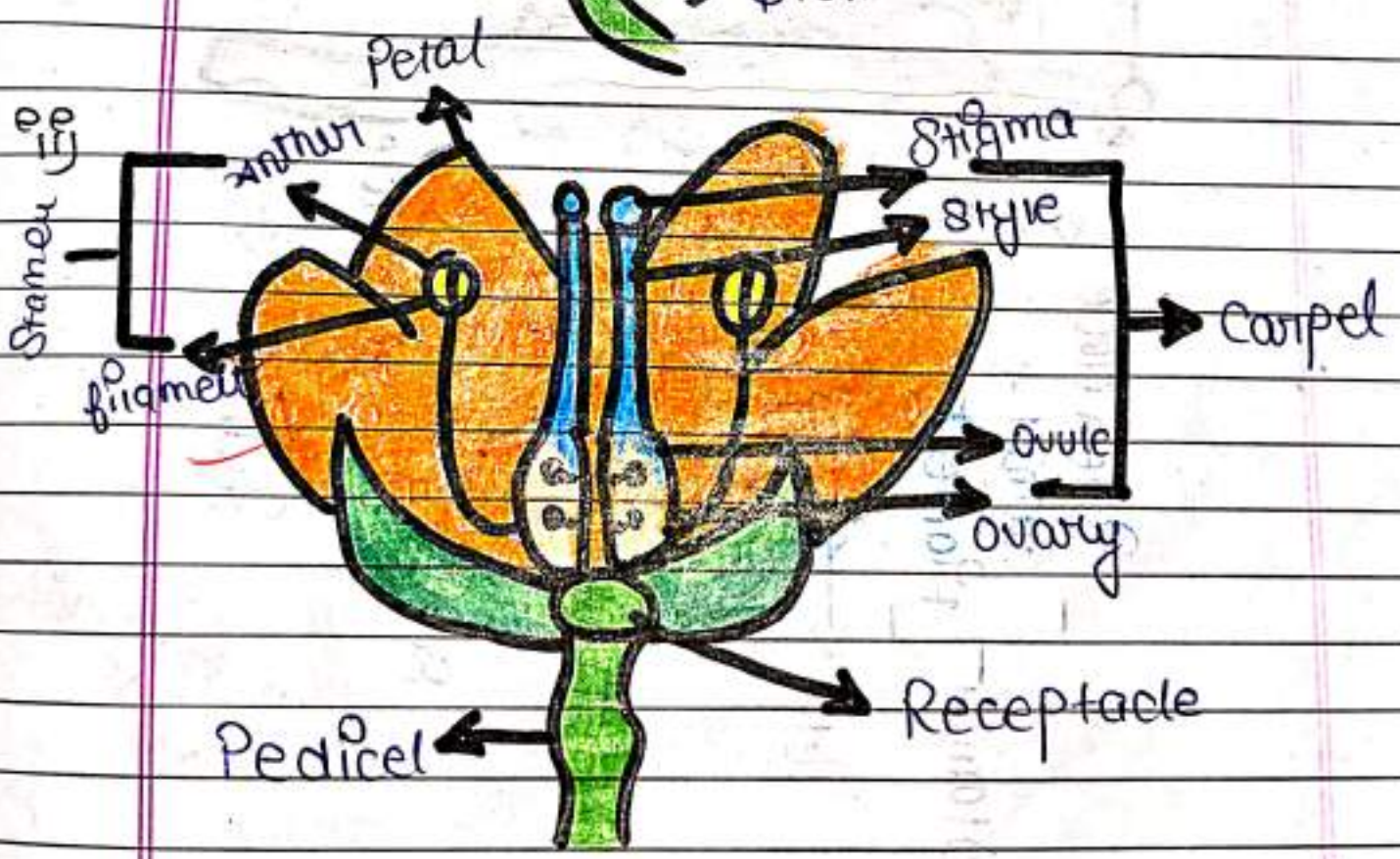
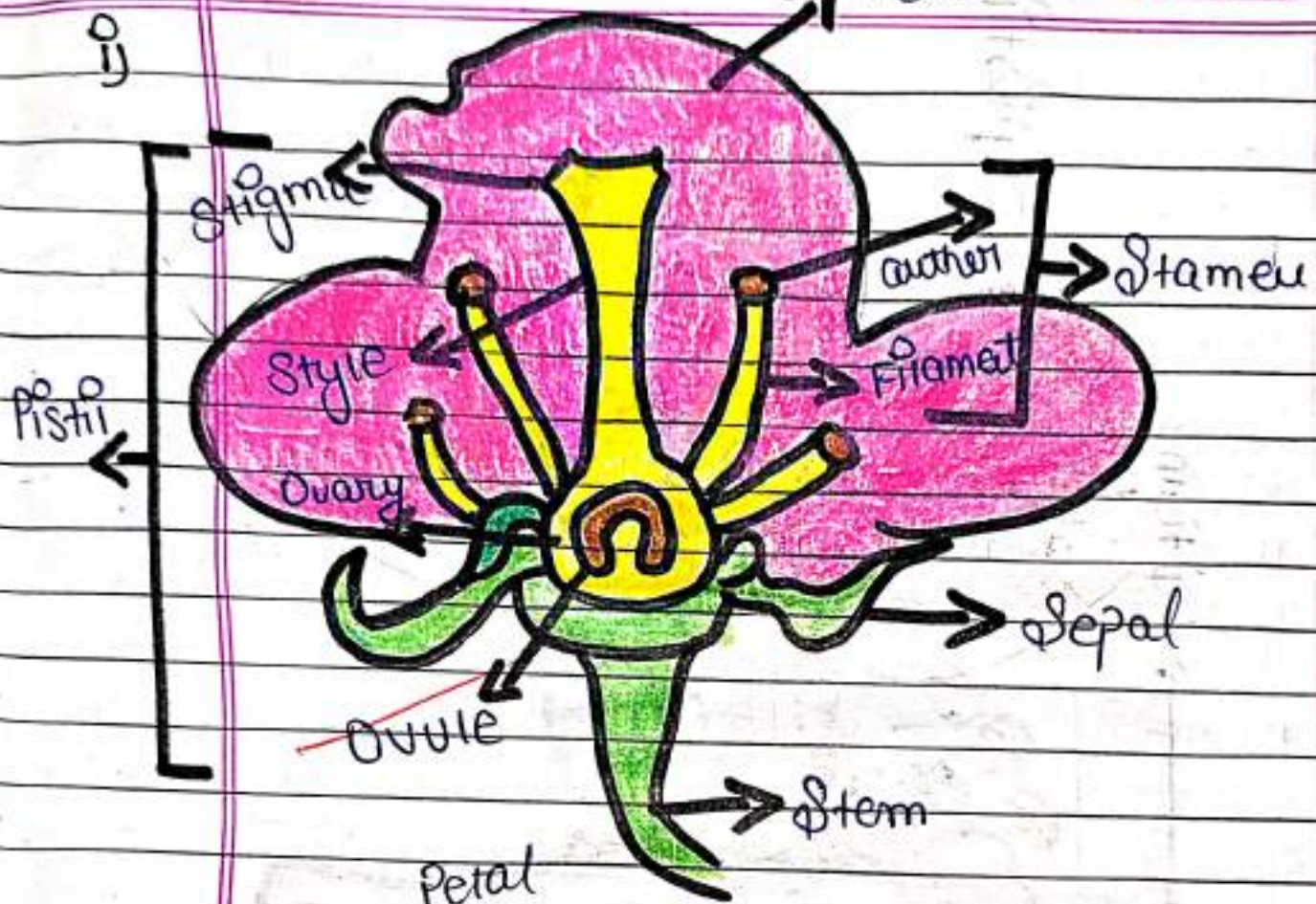
iv) Tulsi

v) Garlic

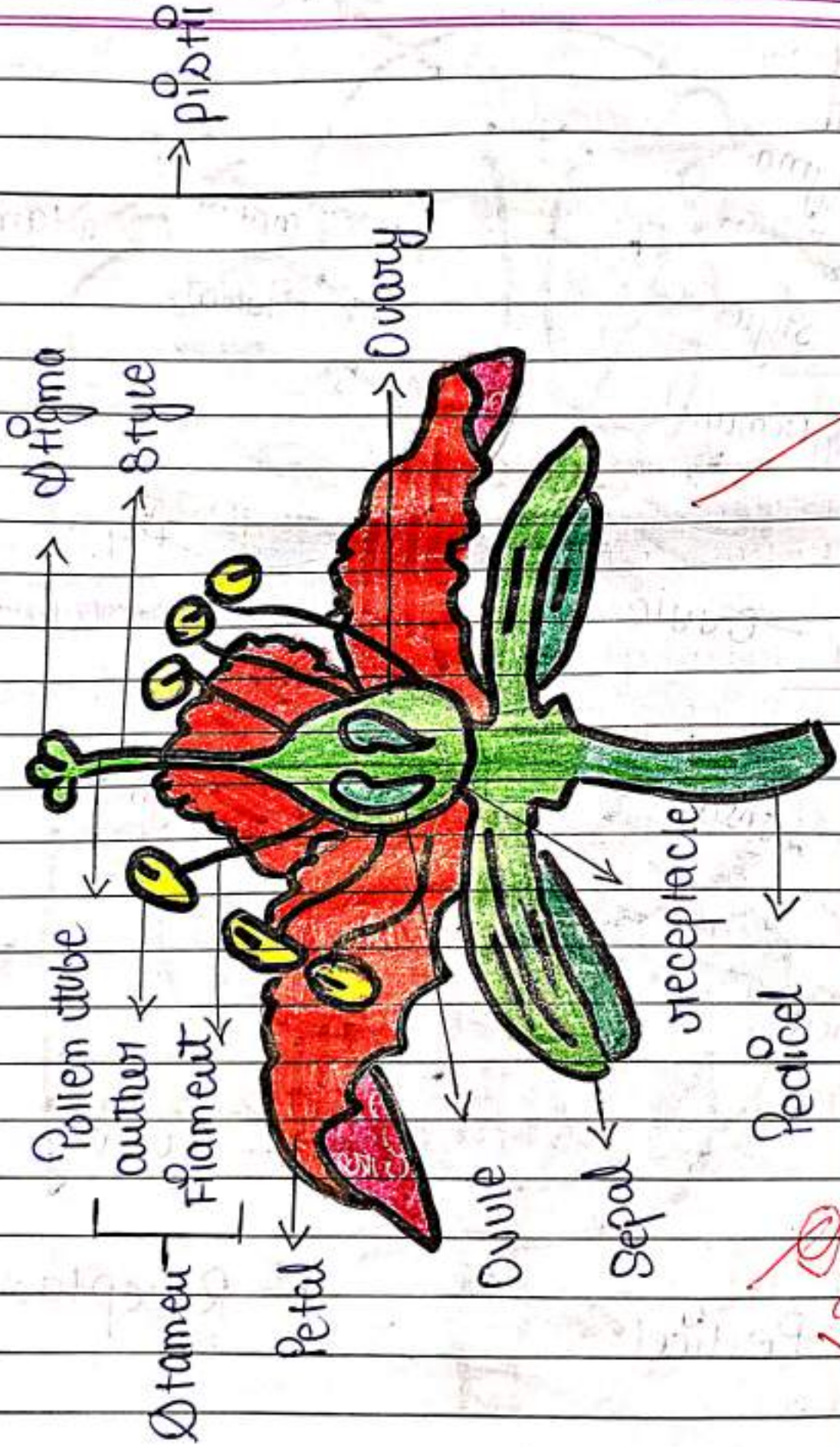
Q5 → Dissect atleast three flowers and paste their different parts in your notebook?



Next Page



100
111



10/10/24

25/10/24

Page No. 23

Date

LIGHT

Diagram



25/10/24

6/12/24

CH-WASTE WATER STORY

* Diagrams :-



↳ Filtration process



Do not throw everything in the sink

07/12/24