



ANIMAL DIARY

Tiya Bansal
VII-B



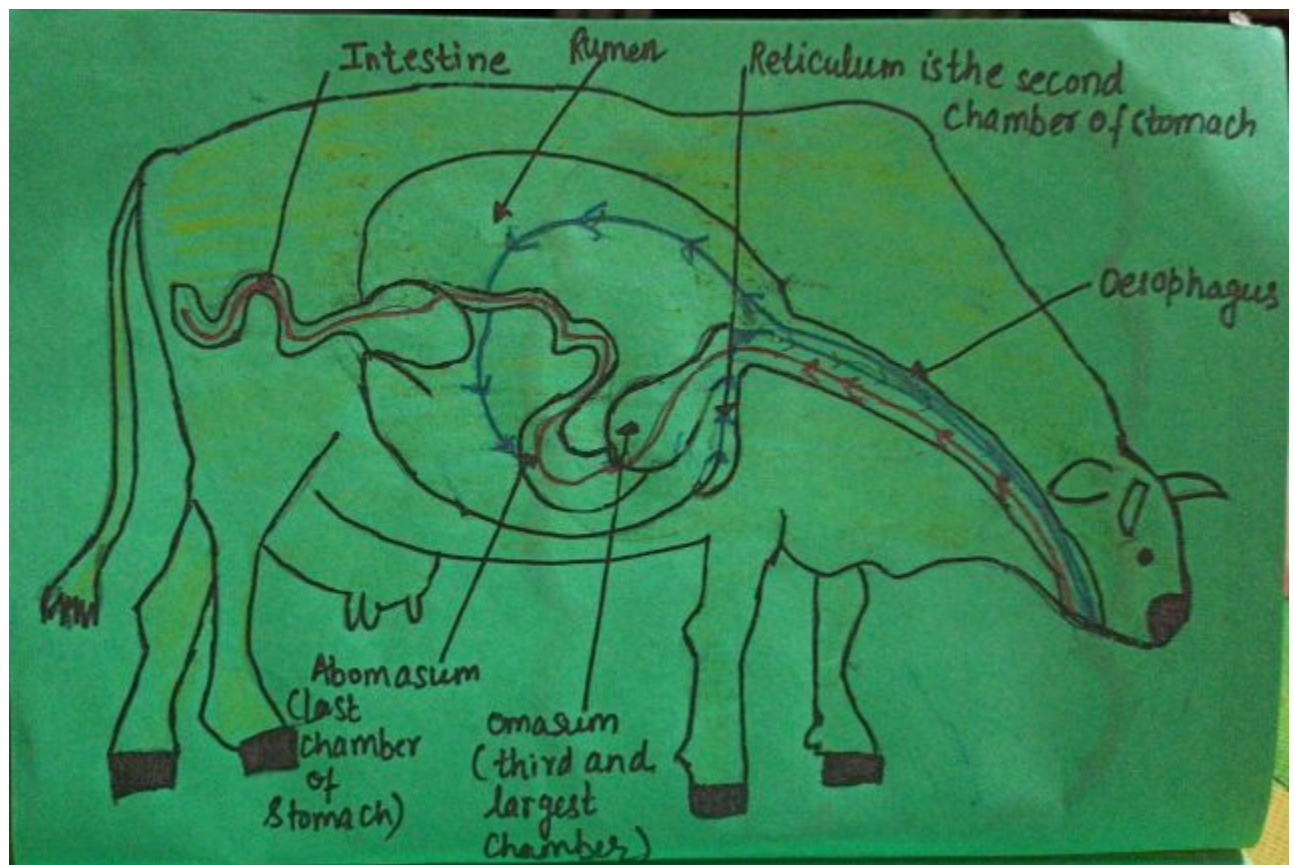
Cow

Land Animal



Digestive system
of a

Ruminant (Cow)



COW (Land Animal)

HOW DOES IT FEEDS?

Cows mainly feed on grass, hay, leaves etc.
Cows and some other grass eating animals
swallow their food after chewing once.
Later they bring it back to mouth to
chew it again. A cow makes 40,000 to
60,000 jaw movements per day.

HOW DOES IT DIGESTS FOOD?

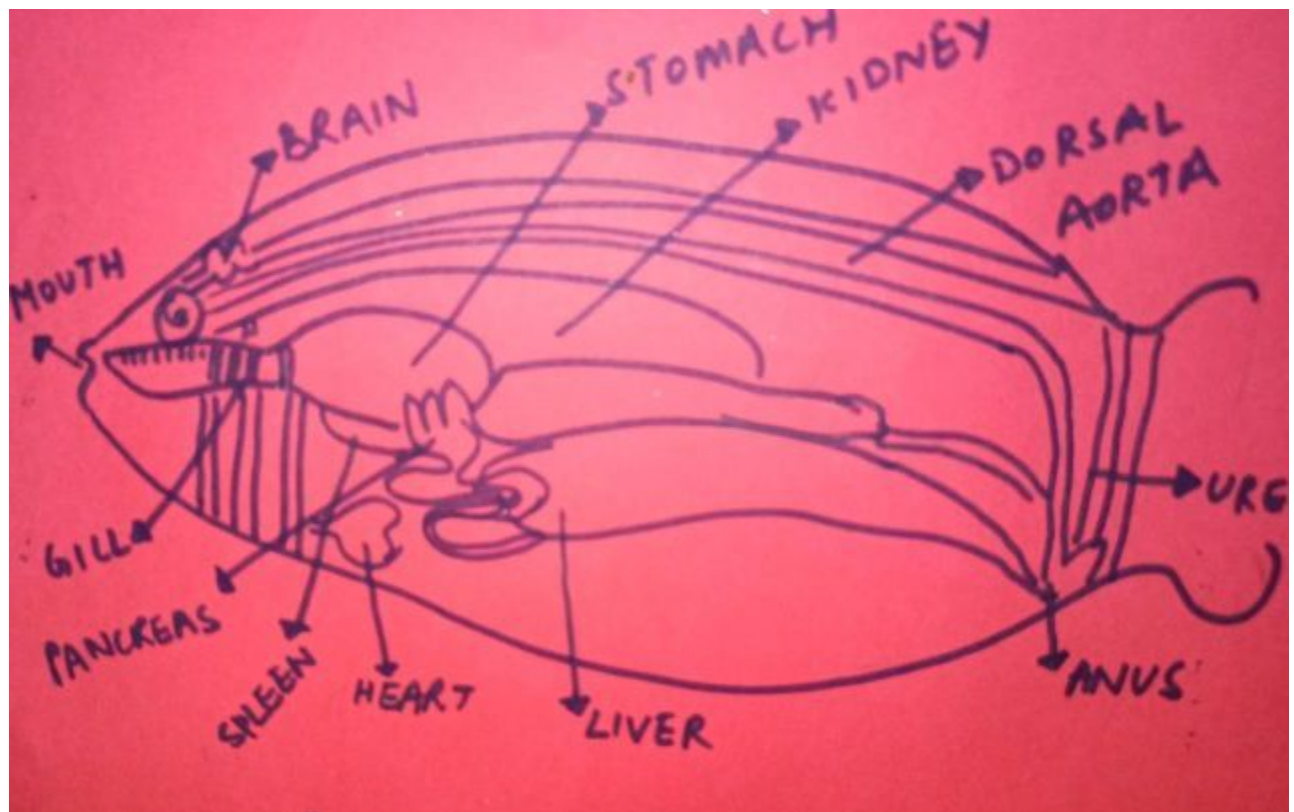
The cow first ingests the food with
tongue. Then the ingested food passes
through esophagus. The esophagus leads
into stomach. The stomach is divided
into rumen, reticulum, omasum and
abomasum. In rumen, large quantity food
is stored. It has bacteria and protozoa.

which break down carbohydrates called cellulose. Reticulum helps in moving the swallowed food into the mouth again. Omasum absorbs water and abomasum secrete digestive juices. After that food passes into intestine for absorption. The liver and pancreas secrete digestive juices here. Villi help in increasing surface area for absorption. Then then it passes into large intestine. The large intestine absorbs excess water and eliminate the undigested food as faeces.



Water Animal





HOW DOES IT FEEDS?

Fish obtains food in a wide variety of ways. Their diet consists of small microscopic plants or other big fishes or aquatic mammals. To obtain food they have developed some other fishes have developed hunting techniques suitable for their body types.

When fishes close its mouth, the food is trapped and excess water is released through gills. Fish especially who eat other fish, have extraordinary large mouths, enabling them to produce a powerful suction current to accommodate - to large prey items when they catch them.

How DOES IT DIGESTS FOOD?

Fish ingest food through the mouth and break it down in esophagus. In the stomach food is further digested and in some fishes the food is processed in Anus.

shaped pouches called pyloric caeca, which secrete digestive juices and enzymes, also absorb nutrients.

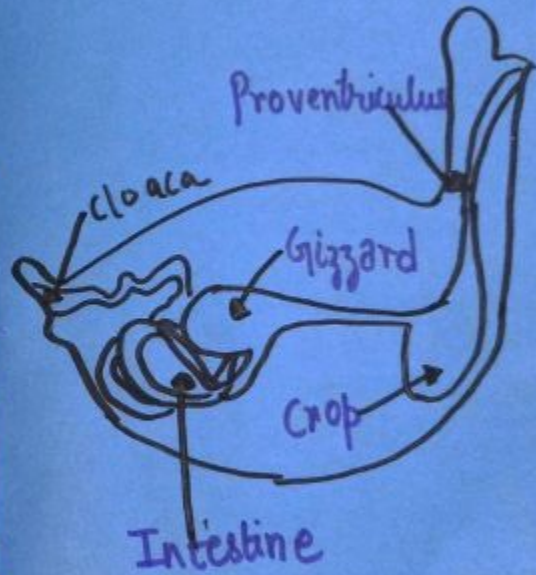


Animal
Living
In
Air.....

Pigeon



Diagram



Digestive tract of a
Pigeon

HOW DOES IT FEEDS?

Pigeons are natural seed eaters. The only insects only in small number. Pigeons diet consist of wheat, cereals, corn etc. Pigeons swallow whole and store it at the base of their throat and then pass it into the digestive system. They need grit (small pebbles) to process food as the grit helps in breakdown of nutrients.

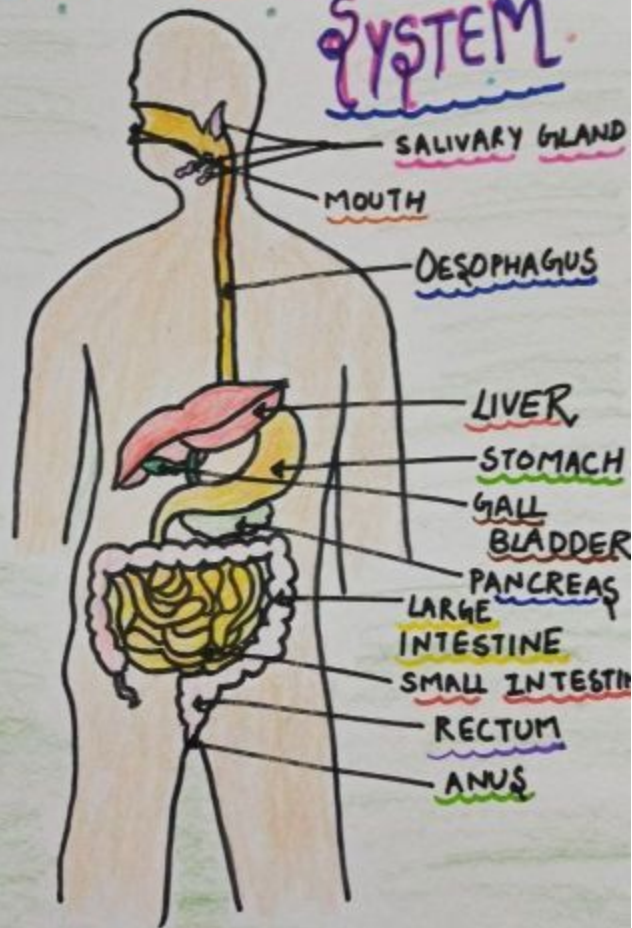
HOW DO IT DIGESTS FOOD?

From the bill, food passes into a tube called esophagus and into the crop which stores the excess food so the bird can digest easily. The second part of stomach

the gizzard grinds the grits into

smaller pieces with the help of stones and pebble which the bird has swallowed earlier.

HUMAN DIGESTIVE SYSTEM



TIYA BANSA
VII-8

Science Activity = 3

	Week 1	Week 2
Petri dish 1 (In Light)	Size of stem = 6 to 20 cm No. of leaves = 2 Colour of leaves = green	Size of stem = 14 to 20 cm No. of leaves = 2 Colour of leaves = dark green
Petri dish 2 (In dark)	No progress	Very little seedlings





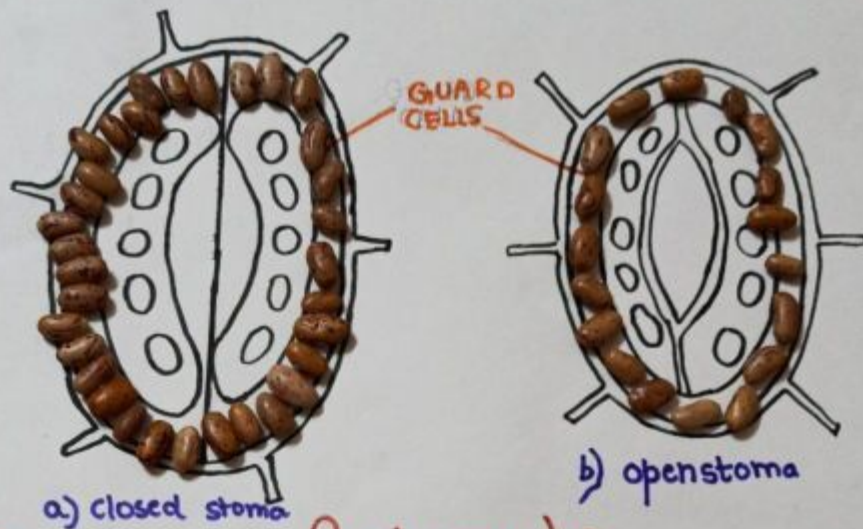
Week 1 (Petridish 2)

Week 2 (Petridish - 1)





Week 2 (Petridish - 2)



Functions of stomata

1. Stomata are openings through which carbon dioxide from atmosphere enters into the leaf.
2. It also helps the plant in the evaporation of water in plants in the form of vapour that takes place during transpiration.
3. Exchange of gases (oxygen and carbon dioxide) also takes place through stomata.