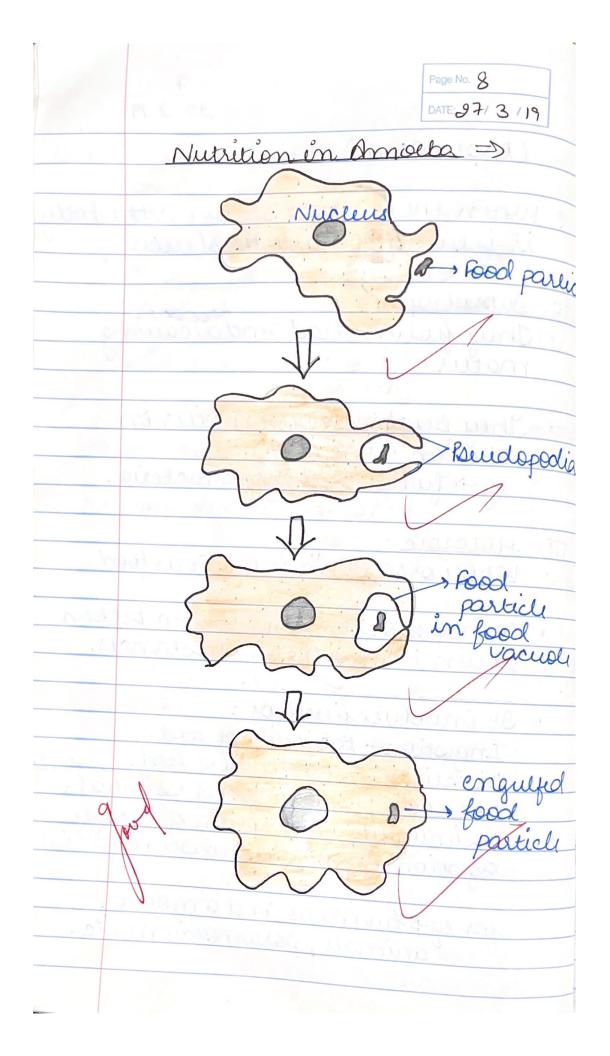
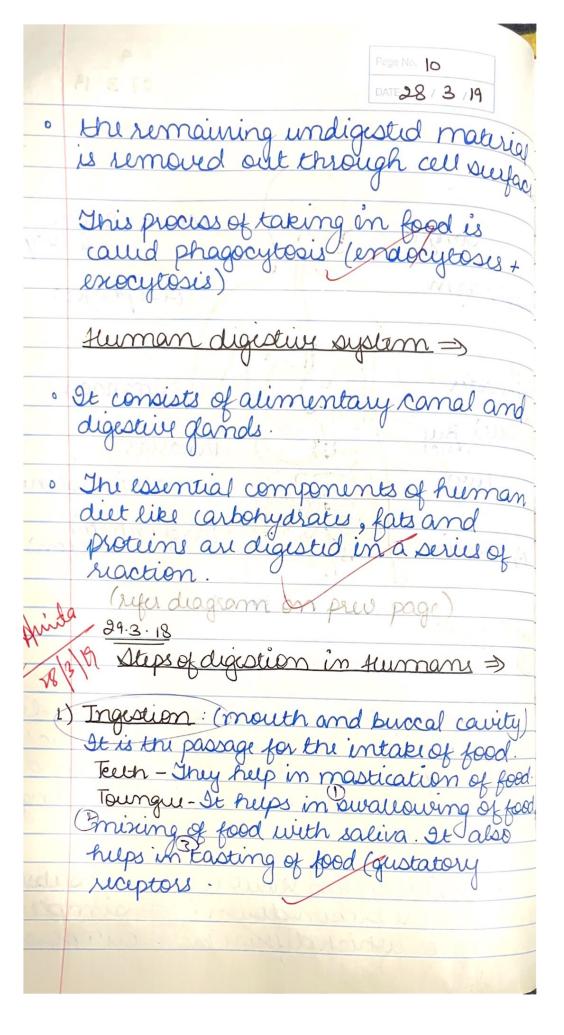
Huterotrophic mode of nutrition =)

In this mode of nutrition an organism takes readymade food from other organism Parasitic Hurstrophic Nutrition Saprotrophic eolozoic I Parasitic: o Organism obtains food from host and host may be harmed. body it is called endoparasitis

Page No. 7 DATE 27/3/19 (tapewarm) it is called ecloparasitis (luch) II Saprotrophic · They feed on dead and decaying matur They break complex matter in solution form. eg - fungi and some bacteria. III. Holozoic: Wholi organism is latin as food complex organism later on broken down into simpler substances. It involves fivesteps: Ingestion - taking in of food. Digistion - buakdown of food imponents. Obsorption - absorption of issential, Ossimilation-apsorption of energy Egistion - removal of wasternaterial. for eg-o humans and amoeba, animals, paramoedium etc.



Page No. 4 DATE 27/3 /19 fluman alimentary comal ≥ Mouth (Buccal Jongue. (avity) Diaphragm > oesophagus yall Bladder Stomach (Stores bill) Bil > Pancrias Lives , small intesting Large intestine (coion) Appindin 28.3.19 Truvoloy anus Nutrition in amoeba => Amoeba takes in food using finger-like projections called pseudopodla which e present on the cell surface and fusi over with food particles forming a food vacuale. · Inside the food vacuale, complex substances are becken down into simples ones which diffuse into cytoplasm.



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Salivary Glands: thru pairs of salivary glands an located in buscal cavity, rulas saliva containing enzymes like salivary amylase of pegalin.

Dissphagus -: swallowed food travels
through the obsophagus by peristaltic
movement (contraction and relaxation of cells of 5 muscles present). The
muscles in the wall of obsophagus allow
the food to reach the stomach.

Buccal county - Carbohydratis in food are partially digested by enzymes like salivary armylase present in saliva

(starch) amylasi Maltosi.

Stomach - C or J shaped muscular
sac prisent on left side of abdomin.
Digiotion of food takes peace here.
Inner living of stomach has gastric
glands which release gastric suices
that contains HCl, mices, pepsin.
HCl -> makes the medium acidic
for activation of pepsin enzyme
-> also kills bacteria in swallows
food.

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Mucus -> protects stomach from coming in contact with HCl and pepsin enzyme.

Pepsin -> it breaks down proteins into peptones in acidic medium

Rotins pepsin, Peptones
(acidic
medium)

Small Intestine - longest part of alimentary canal, narrow tube about 7 to 8 metus in length and ishighey coiled

* * It is comparatively longer in hubivorus as they have to digest cellulose.

Liver - largest gland in human body and releases bill juice (lacks emzymes) which is stored in gall bladder and contains bu pigments and salts.

Functions of Bill juice ->
Of neutralises acids and makes
medium alkaline or basic for
panciatic and intestinal enzymes
of mulsification of fats - breaking

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fats into omall globulus so as to incuasi insigme efficiency.
Pancias - prisent near small intesting and releases panciatic juice containing enzymes like trypsin lippase and amylase

o the wit of food from stomach is rigulated by sphincter muscle which reliases food in small amounts in small intestine

· Pancualic and intestinal ezymus bung about the complete digistion of food.

Maltose amylase flucose
Peptones bypsin armino acids
Lipids lipase, fattyerids + ylycerol
(fats

3) Obsorption

Small intistine - Obsorption occurs
with the hup of ville which are finger
eiter projections present on the surface
of cuts of small intesting

removed out through arrus:

It is the softening of mamel and cavity forming that reaches the roots. It occurs when bacteria grows on food particles especially sugars resulting into acids production. This acids act on enamel and cause its softening or demineralistation. Salvia is not able to mach.