INTRODUCTION:-

Animals require Good, to provide buelo en terms of energy so as to keep alive and maintain body processes and as now moterials you building and maintaining cellular and metabolic machinery and also ber grown and reproduction.

The process by which they obtain such good, which they themselves do not synthesize is called nutrition

Types of Hutintion in protozoa

- (A) Heterotrophic
- (B) Autotroplic
 - (A) Heterotrophic Hutrition is further classified eito Jollowing types
 - (i) Holo Zoic ar Zoot ropphic ar plagotropic;
 - (11) Saproloic, (iii) Saprophytic (IV) Mixotrophic
 - 11) Holozoic Mutniken: Majority of free. living

 protozoa processio obtain Their good by

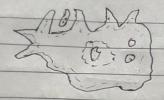
 Holozoic method in this type whole food is

 taken not Their fragments: Holozoic Mutnikan

 is performed in zollowing steps—
- Shot on realmest have to be taken in with the tell of eigestory

 By shreyam organile

Rhumbler (1910) has clescuited four methods of engestion in amorboid proposa. 12 y are (1) Import - Food in taken into the body upon contact with very little movement part of the animal. Amoe fa venucosa preeding on girlamentous algae. Amoeba engesting Oscillatoria ly Import. (11) Circumpluence: - The cytoplasm of the amoeba Thous around the food organism as soon as comes in contact with it on all sides by ppendopodial formations and engulf il ex- Amorba proteur jeeding on bacterial glea (111) circumvallation: - This method is applied when amoeba feeds upon an active prey. prendopodia is stretched out to engluly on active prey, while it is still some distance prendopodia surround food without touching it and their tips jused to form so called Tood vacuole and knowled as a whole.



Paramecium ly circumvallation

(iv) By Givagination: Suclains of food particle
upon confact will ectoplasm and pen
drawing Nem intendoplasm
In Helioloans and radio tarrians axopodia
traps The grey and withdraw eight deeper
expoplasm with the pray
Such vians lave knobbed tentacles, paralysed
pray is being drawn into endoplasm by
Through the central tube present is the tentacle:

Amoeba engerting corpidium ly einagination

Digestion: It takes place in The food Vacuoles with cliquestive enzymes provided by Typopomes which are affacted with food Vacuoles.

Reactions tolcus place both in Acidic and Al Icaline medium respectively.

Proteolytic enzymes act in acidic medium of Al kaline medium, Pydrolynis of carlo Typhate tales place in Al Icaline medium.

Abnorption: Digested food cliff used it endoplasmed and Men animitated is protoplasme.

Stored food is latyrogen, paramytum, Lipids, Chematoid
Shot on realmed.

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procytosis: Pirocytosis excellations is
clasured in some Money to champing is
for signical good princey to champing and
governed on the body surface "through conseptuation"
Surface plant carried through these channels
accumulate in a fixed vector formed at the
end of the channel col fixed off eito the
eveloplasmi

Saprozsie ruzition: In this type of Mudniken climolard organie matters are absorbed through general body surface by the process of opmonis.

This type of Mutrikon is journed in mastigamorda, and some colomber gragellates or exilomoras,

Astania, polytoma etc.

Myxotrophic rentrition: - This is the combination of Autotrophic, ormotrophic and projectoophic made of Hutrition:

It is found in Flagellots such as Englera and peranema:

Medaition of parasitis:

2nterkine in tabiting toomastigoptorea and
as Trictomoras ingut by ptagotropty using
Their mouth or crytostome.

200 plagellates sunt as Taypanosoma fieldly asmotropty

Conclusion is proto200ms being Acellular adopted

al evolved different made of freeding to survive

air paix microenvironment and continue their race

Shot on realize 3Dout Lindsonce

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