

Extumophiles, Halophiles, Thermoaudophiles Methanogens. Euglenoids - Mixotrophic. Help in digestion of cellulose in gut Slime mould J Heterofrophic 5 Chaysophytes-Different Cell Wall eg- Methanobacterium Chief producer (golden algae) 2) Eubacteria--> phytoplanktons -Unicellular, filamentous, aquatic, - fresh waterand marine environ → Cell wall embedded with Silica - pho to synthetic: gelateroul greath -> Soap Case Cell Wall = shells. → Che A. → Oz releasing > Diatomaceous Earth polishing, filteration of foils. eg-Nostoc, Anabaena, Oscillatoria. Hetoro ajst por Na fixation (colowful whirtwhips) 6) Mycoplasma-- Bacteria without cell Wall - Mostly movine and photosynthetic → PPLO, → Smallest Cell. Appear Yellow, green, brown, → Cause diseases like Mycoplasma blue or red → Cell wall has cellulosic plates on pneumonia. - Facultative acrobe. Outer surface. > Toxins may Kill fish. Kingdom Protista Longitudinal plagella
Transverse plagella Unicellular Eukaryotes mostly aquatic. phototrophic Heterotropic - Red tide-Gongaulax J) <u>Fuglenoids</u> → (Euglena) 3) Formation of profista explained by endosymbiotic theory.

(4) Profista— - Majority are fresh water organisms, found in stagment water -> Mixotrophic Nutrition (4) Profista-→ Chrysophytes

→ Dino flagellates} photosynth etic ruch layer called pellicle.

(3) Cillated protogoans resembling higher plants. longela → aquatic flagela → Cilia present (8) Slime Moulds, -> Food stored into gullet with Saprophytic protists help of Cilia. 2+ypes of Nuclei present. - "plasmodium" may grow over several feet. eg-paramecium → During Unfavourable gullet micronuleus to Spores are formed. -cilia Spores possess teur Wall Confractive Vacuale (4) Sportozoans-Infectious spore like stage Condition Haploid present in life Cycle. ·(2n) eg-Plasmodium (causes Malaria) Coenocytic plasmodium & Serminate Kingdom Fungi multicellular Eu Karyotes. () Can be harmful (Rust, Smut) as (9) Protozoa (Heterotrophic) well as beneficial (Yeast, ellium) Amoeboid Flagellated Ciliated Sporogoans Q yeast is Unicellular protogoans protogoans protogoans protogoans eg-Sacharomyces Cerevisiae - Baker's yeast Brewers Yeast (1) Amoeboid protogoans and moist soil --- mycellum pseudopodia shells forms have silica 2) Mode Of Nutrition ---- Entamoeba is parasite parasitic Symbiotic (2) Flagellated Protogoansiving Mycorrhiga grows on dead Organic matter water minerall Glacose Either free living or parasitic -> flagella present phycobiont phycobiont fungus

algae fungi eg-Try panosoma (Sleeping Sickness) Tuichomonas (Vector Tse-Tsefly)



