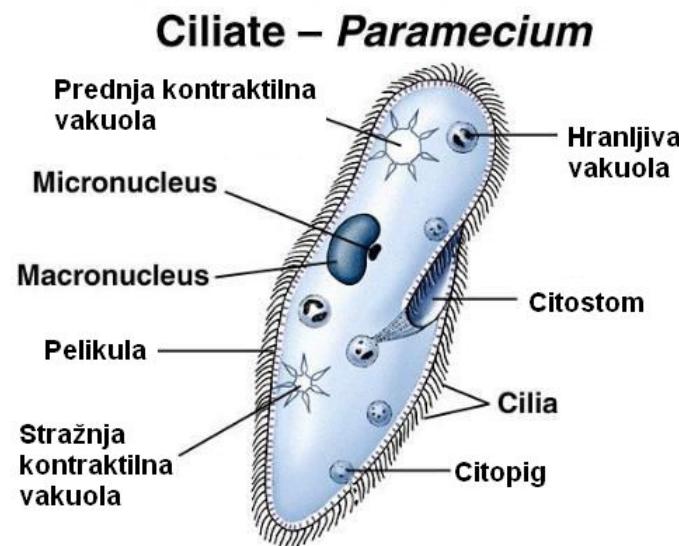
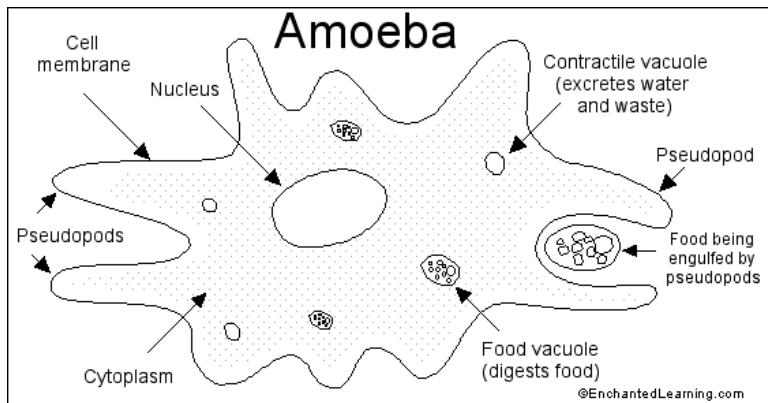


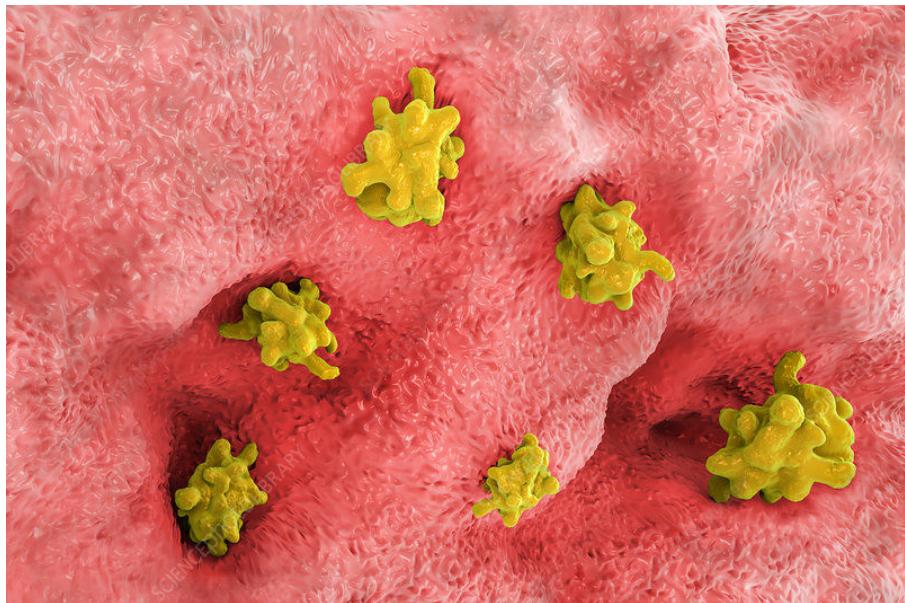
# Praživotinje (Protozoa)

- Jednoćelijski organizmi
- Imaju organele koje služe za obavljanje životnih funkcija
- Neke nemaju stalni oblik, dok većina ima jer sadrže pelikulu



- Organi za kretanje: treplje (cilije), bičevi (flagele), „lažne nožice“ (parapodije)
- Solitarne su a ima i kolonijalnih oblika
- Oko 40000 vrsta svrstane u 4 klase:

## 1.Sarcodina (amebe ili korjenošci)

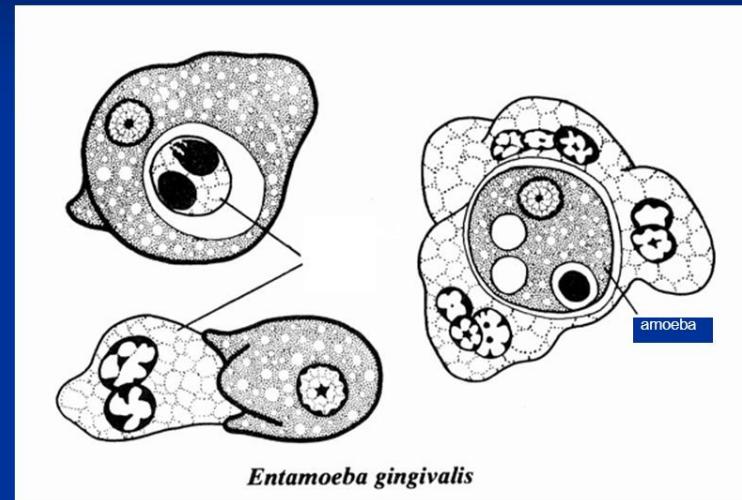


Entamoeba histolytica – parazitira u crijevu čovjeka i izaziva dizenteriju



Entamoeba coli - živi u debelom crijevu i nije patogena

### Entamoeba gingivalis

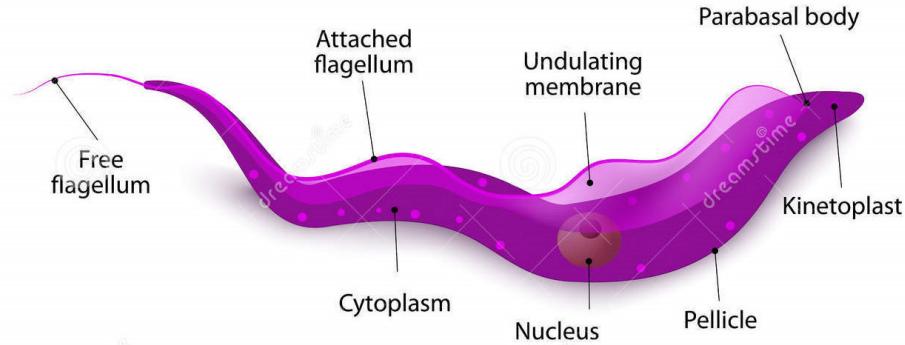


*Entamoeba gingivalis*

- Živi u ustima čovjeka i nije patogena

## 2.Flagellata (bičari)

### *Trypanosoma brucei*



Trypanosoma, koju prenosi muha ce-ce i izaziva bolest spavanja

**PARAZITSKI BIČAR TRIPANOZOMA**

Bolest je zastupljena u tropskoj oblasti Afrike

Tsetse fly modern distribution

Tsetse flies live today in moist savanna and woodlands, especially with > 800 mm of rain a year.

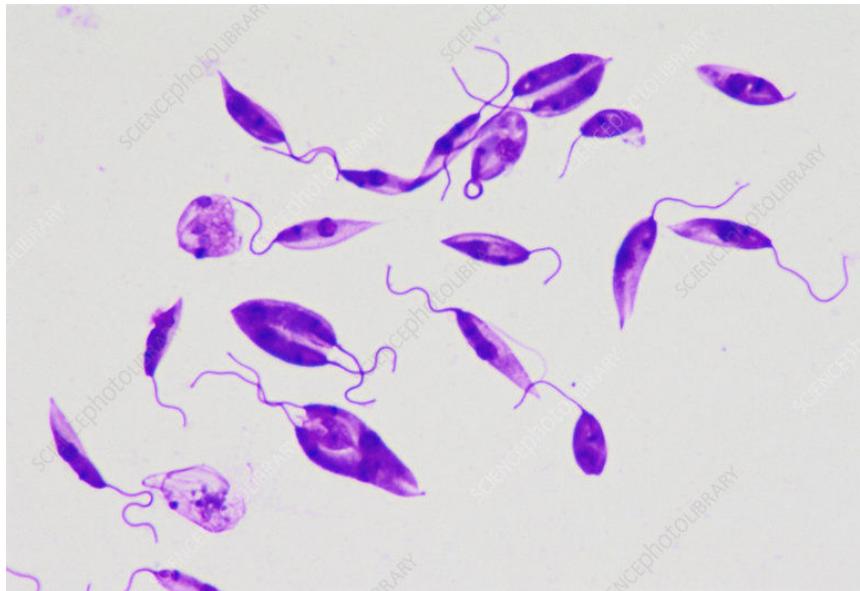
Tsetse flies carry a parasite which can infect livestock and people with sleeping sickness (also known as sleeping sickness).

**IZAZIVA BOLEST SPAVANJA**

This infographic provides information about the parasite *Trypanosoma brucei*. It highlights that it causes sleeping sickness and is transmitted by tsetse flies in tropical Africa. A map shows the modern distribution of tsetse flies across the continent. The infographic also notes that the flies live in moist savannas and woodlands with over 800 mm of rainfall per year and carry a parasite that can affect both livestock and humans.



## 2.Flagellata (bičari)

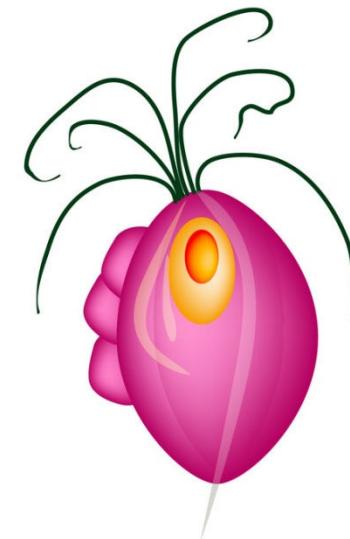


Leishmania, koju prenose komarci i izaziva oboljenja kala-azar (kožna bolest)



## TRICHOMONAS VAGINALIS

(urogenital, vaginal)

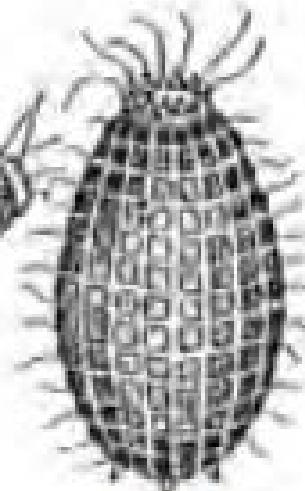


Trichomonas vaginalis – izaziva zapaljenje vagine.

### 3.Ciliata (trepljaši)



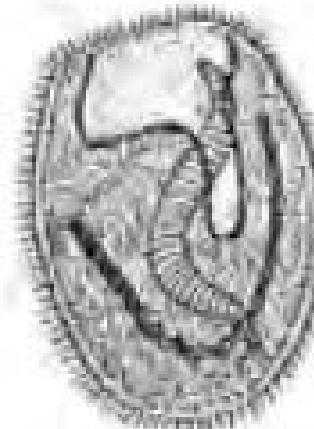
*Acinetto*



*Coleps*



*Didinium*



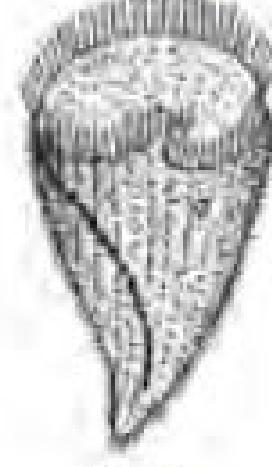
*Bursaria*



*Paramaecium*



*Stylonichia*



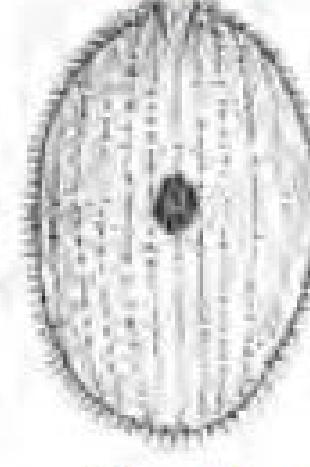
*Stentor*



*Vorticella*



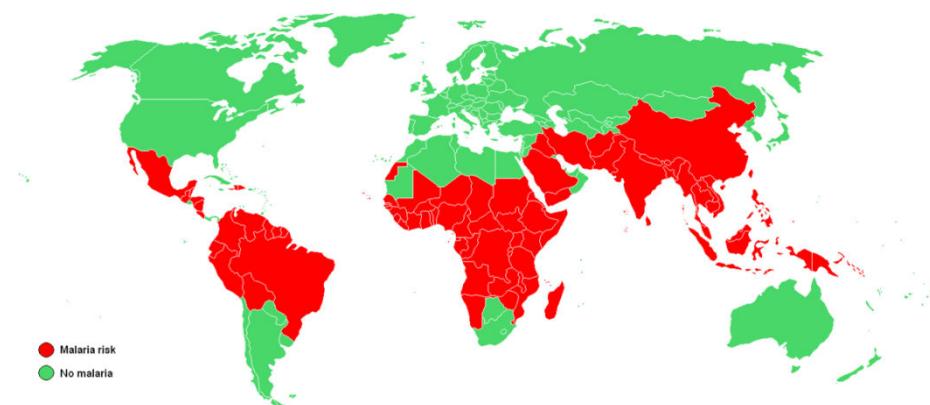
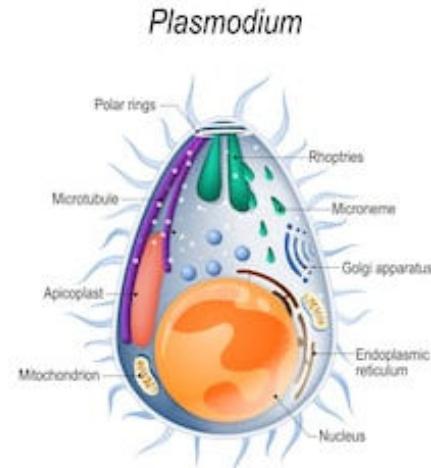
*Colpoda*



*Prorodon*

## 4.Sporozoa (trusnjaci)

Sporozoa su uglavnom endoparaziti sa najčešće dva domaćina. Najpoznatiji predstavnik je Plasmodium, koji izaziva bolest malariju, a prenosi ga malarični komarac.



Paraziti krvlju dolaze do jetre i tamo se umnožavaju, razarajući jetrene stanice. Ponovnim odlaskom u krvotok napadaju ljudske eritrocite, crvene krvne stanice koje su zaslužne za prenošenje kisika po cijelom tijelu. Unutar eritrocita, paraziti se ponovno umnožavaju, razarajući i eritrocite.