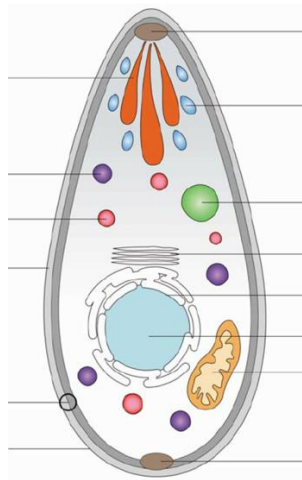


Worksheet on *Toxoplasma*

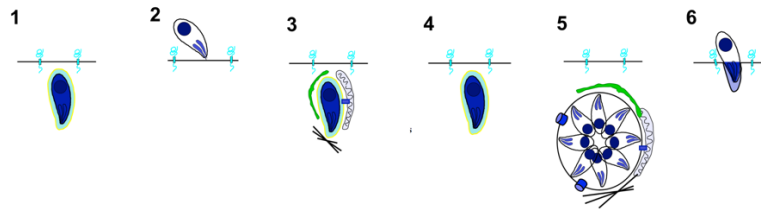
Activity 1: Meet *Toxoplasma gondii*

Knowing that *Toxoplasma* is a eukaryotic pathogen, label the following structures using the terms below: **Rhoptries, micronemes, dense granules, apical polar ring, inner membrane complex, subpellicular microtubules, posterior pole, acidocalcisomes, apicoplast, mitochondrion, Golgi apparatus, endoplasmic reticulum, plasma membrane, nucleus**



Activity 2 – *Toxoplasma* invasion and egress

1. After watching the first movie, put the following vignettes in order of events that leads to parasite invasion?



The black line represents the plasma membrane

2. What organelles do you think are involved in this process?
3. What is the name of the process by which *Toxoplasma* multiply inside the host cell?
4. Propose three mechanisms by which *Toxoplasma* can survive inside the host cell?
5. From the second movie, how do you think *Toxoplasma* “knows” when to leave the host cell?
6. Based on what you’ve learned so far, what question would you like to investigate about *Toxoplasma* biology and/or pathogenesis?