1. Coccus
   2.1 billion years
2. Cell wall or metabolism
   Narrow spectrum works on either gram + or gram – (not both at the same time)
3. Gram +
   Thick layer of peptidoglycan on a single layer of membrane
4. Clostridium
   Gram + Bacteria
   Endospore
5. Bacillariophyta
   Diatomaceous Earth
   Filters, paint, toothpaste
6. Chlorophyta
   Volvox
   Vegetative cells
   Protoplasmic strands
7. Oogonia
   Eggs
8. Trypanosoma
   African Sleeping Sickness or Chargas disease
   Kinetoplastid
9. Giardia
   Hydrogenosomes
   Excavata
   Escavated grooves, modified mitochondria, similar cytoskeletal structure
10. Conjugation Tube
    Zygospore