

MMG 301 Quiz 4 questions, each worth 0.25 pts.

- 1. The endosymbiotic theory proposes that eukaryotic mitochondria evolved as a result of:**
 - a. intracellular infection of the primitive nucleated cell by an aerobic Archaea.**
 - b. intracellular infection of the primitive nucleated cell by an aerobic Bacteria**
 - c. intracellular infection by a cyanobacterium**
 - d. Pasteur waving his magic wand.**
 - e. None of the above.**

- 2. Rigid cell walls of eukaryotic microorganisms contain:**
 - a. peptidoglycan**
 - b. cellulose, chitin, silicon dioxide, or calcium carbonate**
 - c. pseudomurein**
 - d. phospholipid**
 - e. Braun lipoprotein**

- 3. The flagellated protozoa are referred to as:**

a. Sarcodina	d. Ciliata
b. Mastigophora	e. none of the above
c. Sporozoa	

- 4. Fluorescence microscopy**
 - a. makes use of fluorescent dyes that are excited by certain light wavelengths and emit light of a longer wavelength**
 - b. enables detection of bacteria that are 3.5 million years old**
 - c. can use either transmitted or epi-illumination**
 - d. all of the above**
 - e. two of the above**