1. Which of the following may have a cell wall?

   a. Plant cells only.
   b. Animal cells only.
   c. Some animal cells and some plant cells.
   d. Some prokaryotic and some eukaryotic cells.

2. Which of the following is evidence supporting the Endosymbiont Theory?

   a. Mitochondria have two membranes whereas most organelles only have one.
   b. Chloroplasts may have evolved from photosynthetic cyanobacteria that were phagocytosed before phagocytosis of the aerobic heterotrophic prokaryote.
   c. Mitochondria have a complete genome that encodes all of the proteins that mitochondria require for functionality.
   d. Mitochondria and chloroplasts each have their own set of linear chromosomes.

3. Classic or phylogenetic representations of the "Tree of Life" can be considered oversimplified because:

   a. synthesis of new sequences of DNA without a template have occurred frequently in many organisms during the course of evolution.
   b. DNA sequences from some genes in archaea may more closely resemble DNA sequences in eukaryotes than sequences from other prokaryotes such as bacteria.