

Points Awarded	56.25
Points Missed	43.75
Percentage	56.2%



1.

You have discovered a new species of fungus associated with plant roots. It invades the cells in the roots, forming arbuscular mycorrhizae. Based just upon this character, you confidently determine that this fungus is member of the:

- A) Ascomycota.
- B) Basidiomycota.
- C) Glomeromycota.
- D) Zygomycota.

Points Earned: 0.0/2.5

Correct Answer(s): C



2.

You are conducting experiments with the ciliated protist *Paramecium*. These graphs show the results that you obtained when the *Paramecium* were placed in pond water, in Solution A, or in Solution B, with the number of times that the contractile vacuole pumped out water recorded over a period of time. Based upon these results, you conclude that:

- A) The *Paramecium* in Solution A are taking up more water than those that are in either Solution B or in pond water.
- B) The *Paramecium* in Solution B are taking up more water than those that are in either Solution A or in pond water.
- C) The *Paramecium* in pond water are taking up more water than those in Solutions A and B.
- D) The *Paramecium* in all three solutions are taking up the same amount of water.

Points Earned: 2.5/2.5

Correct Answer(s): A



3. Which of these relationships are a mutualism between a fungus and another organism?

- A) Lichens.
- B) Dutch Elm Disease.
- C) Athlete's foot.
- D) Mycorrhizae.
- E) Lungworms.

Points Earned: 2.5/2.5

Correct Answer(s): A, D



4. You are studying a eukaryotic cell and have found that a protein that should be synthesized in the rough ER is being synthesized on free ribosomes in the cytoplasm. This would most likely be due to a:

- A) mutation in the SRP that binds to that protein.
- B) malfunction in the Golgi Apparatus.
- C) mutation in a gene that codes for microtubules.
- D) malfunction in the lysosomes that break down gangliosides.

Points Earned: 2.5/2.5

Correct Answer(s): A