
READINGS
From Text (Campbell et al. Biology, 7th ed.) Chapter 31 (pp. 608-623).
Chapter 32 (pp. 626-636)
Easter Island's End, by Jared Diamond, Discover Magazine Aug. 1995
www.greatchange.org/footnotes-overshoot-easter_island.html

STUDY QUESTIONS

1. Diagram and explain trophic growth of fungi.

2. Describe two or three vital roles that fungi assume in the modern biosphere.

3. Identify or define the following.
   - Karyogamy
   - Arbuscular mycorrhizae
   - Mycelium
   - Cotransport
   - Mold
   - Basidiomycota
   - Plasmogamy
   - Ergotism

4. A number of antibiotics are derived from fungi. What function(s) might these serve the organisms that produce them?

5. What type of phylogenetic group are yeasts? Of what value are these organisms to humans?

6. What are mycorrhizae and why are they thought to be important to the evolution of vascular plants?

7. Diagram and explain the structure of lichens. Describe the symbiotic relationship that defines lichens.

8. Why do some fungi produce chemicals that cause hallucinations in humans?

9. Describe the sequence of events that resulted in the collapse of biodiversity on Easter Island. What techniques were used to investigate these prehistoric events?