

Symbiotic Relationships (pages 540–542)

12. Lichens and mycorrhizae are both examples of what kind of symbiotic relationship?

13. What are lichens?

14. What is the photosynthetic organism in a lichen?

15. Where do lichens grow?

16. What benefits do the fungus and the photosynthetic organism derive from the association in a lichen?

17. What are mycorrhizae?

18. Why is the presence of mycorrhizae essential for the growth of many plants?

WordWise

Complete the sentences by using one of the scrambled words below.

Word Bank

yodb iiugntrf
iiausbdm

chlnei
pyheah

ziiohrd

roeaizrhcy

mmieulcy

sscua

1. A rootlike hypha of a zygomycete is a(an) _____.
2. A symbiotic association between a fungus and a photosynthetic organism is a(an) _____.
3. The reproductive structure that develops from mycelia growing underground is a(an) _____.
4. The body of a multicellular fungus composed of many hyphae tangled together into a thick mass is a(an) _____.
5. Associations of plant roots and fungi are _____.
6. A tough sac in ascomycetes that contains spores is a(an) _____.
7. The spore-bearing structure of basidiomycetes is a(an) _____.
8. Multicellular fungi are composed of tiny filaments called _____.