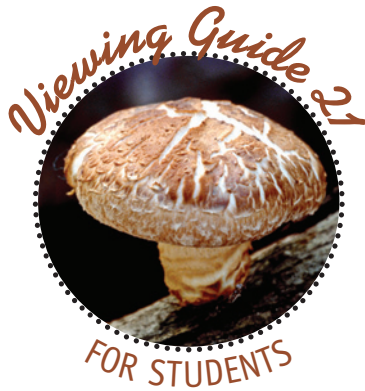


Episode: The Forgotten Kingdom

EXPLORING NORTH CAROLINA



USEFUL VOCABULARY

algae
antibiotic
biomass
enzyme
genetic
kingdom
lichen
molecular
mycophobic
mycorrhizae
symbiosis

CHAPTER 2 (0:00–5:36)

1. What is the forgotten kingdom? List some other kingdoms of living organisms.
2. According to Larry Grand, how were fungi originally classified and why?
3. What kinds of evidence led to fungi being placed in a separate kingdom in the 1970s and 1980s?
4. Are fungi more closely related to plants or animals? What type of evidence was used to confirm this relationship?
5. How are fungi different from plants? How are they similar to animals?

CHAPTER 3 (5:36–7:42)

6. How are lichens related to fungi?
7. What other organisms are confused with fungi? How are they different from fungi?

CHAPTER 4 (7:42–12:14)

8. What characteristic does a fungus have that is like an iceberg?
9. Why can a single fungus have so much biomass?
10. How does a fairy ring represent one genetic individual?

CHAPTER 5 (12:14-23:49)

11. Why are fungi important to ecosystems and people?

12. How are truffles grown commercially? How do growers find truffles?

13. How are fungi important in medicine?

14. What might be some important future uses for fungi?