

# Amoeba Sisters | Video Recap

NAME: \_\_\_\_\_

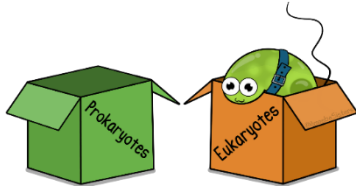
## Amoeba Sisters Video Recap: *Protists and Fungi*

1. What are some characteristics that protists and fungi *both* have that make them *both* eukaryotes?

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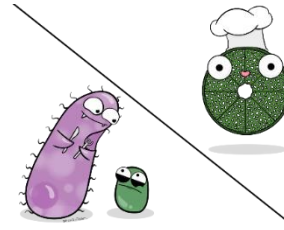


2. A protist can be an autotroph, heterotroph, or potentially both. How is an **autotroph** different from a **heterotroph**?

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3. Many protists can move. What are some structures mentioned that can help protists move?

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4. A friend has a misconception that fungi are really “no different from plants except for how they look.” What might you say to help clear up this misconception?

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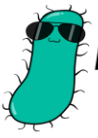
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### Fungi and Protist Comparison Quick Check

Consider what you just learned about protists and fungi! These statements pertain to protists, fungi, or both. *For the following, please place a “P” if only for protists, “F” if only for fungi, and “both” if for both protists and fungi.*

5. \_\_\_\_\_ Most have a cell wall of **chitin**.
6. \_\_\_\_\_ Consists of exclusively **heterotrophs**.
7. \_\_\_\_\_ Can reproduce **asexually** or **sexually**.
8. \_\_\_\_\_ Can be categorized as “**plant-like, animal-like, or fungus-like.**”
9. \_\_\_\_\_ Many have cell walls of **cellulose**.
10. \_\_\_\_\_ Yeasts, mushrooms, and bread molds are examples.
11. \_\_\_\_\_ Amoebas, slime molds, and euglena are all examples.
12. \_\_\_\_\_ Many can perform **photosynthesis**.
13. \_\_\_\_\_ Can be **unicellular** or **multicellular**.
14. \_\_\_\_\_ **Malaria** is caused by species in this group (with mosquitoes as vectors).
15. \_\_\_\_\_ Involved in deriving the antibiotic **penicillin** (targets bacteria).
16. \_\_\_\_\_ Can be found in aquatic environments.





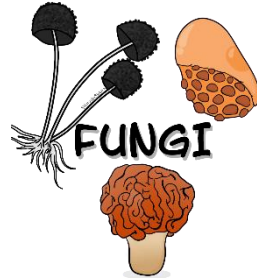
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## Amoeba Sisters Video Recap: *Protists and Fungi*

### *Protists and Fungi Ecology*

Protists and fungi do not live in isolation; they have relationships with other organisms! For the following, please complete the box to give examples of ways protists and fungi can be helpful or harmful to other organisms. Provide at least TWO examples per box. Examples may be written out or sketched (if sketched, labels are needed).



17. **Protists** can be *helpful* to other organisms by...

18. **Fungi** can be *helpful* to other organisms by...

19. **Protists** can be *harmful* to other organisms by...

20. **Fungi** can be *harmful* to other organisms by...

