Kingdom Fungi

Read textbook pages 136-140 and answer the following questions.

1. What main feature is missing that prevents fungi from being included in the plant kingdom?

2. Study Figure 1, on page 136. Summarize the criteria used to classify fungi.

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3. For each of the following, provide a definition and describe the function:

   (a) Mycelium

   Definition:

   Function:

   (b) Spore

   Definition:

   Function:

   (c) Hypha

   (d) Sporangia

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4. When fungi reproduce asexually, where do the haploid spores form, and what steps lead up to spore formation?

5. List several harmful effects resulting from the ingestion of poisonous mushrooms such as those belonging to the genus Amanita. How can such harmful effects be avoided?

6. Describe the role of the fungus partner in each of the following:

   (a) Mycorrhizae –

   (b) Lichens –

7. Hypothesize why a slice of store-bought bread might grow more slowly than a slice of homemade bread.

8. List three benefits provided by fungi.

9. List three harmful effects (or diseases) caused by fungi.