

BIOLOGY CHAPTER 18 PRACTICE TEST

Multiple Choice.

- _____ 1. Fungi do NOT
- carry out photosynthesis.
 - grow on their food source.
 - digest food outside their bodies.
 - absorb food through their cell walls.
- _____ 2. The tangled mass that makes up the body of a fungus is the
- roots.
 - sporangia.
 - mycelium.
 - gills.
- _____ 3. Yeasts produce alcoholic beverages by
- distillation.
 - respiration.
 - fermentation.
 - decomposition.
- _____ 4. Mushrooms are classified as
- common molds.
 - sac fungi.
 - club fungi.
 - imperfect fungi.
- _____ 5. Which structure is NOT found in a mushroom?
- ascus
 - gills
 - basidium
 - hyphae
- _____ 6. An important role of fungi in an ecosystem is
- photosynthesis.
 - breaking down dead organisms.
 - making alcohol.
 - killing bacteria.
- _____ 7. The breakdown of dead organisms is assisted by the fungal production of
- alcohols.
 - molds.
 - enzymes.
 - recycled nutrients.
- _____ 8. Which statement about lichens is correct?
- They are not tolerant of harsh conditions.
 - They cannot make their own food.
 - They grow only in soil.
 - They are composed of an alga or a cyanobacterium and a fungus living together.

- _____ 9. Beneath the forest floor, the surface area of a plant's roots is increased by
- yeasts.
 - lichens.
 - mycorrhizae.
 - bacteria.

Fill-in-the-blank.

10. The bread mold *Rhizopus* produces a thick-walled reproductive structure called a(n) _____.
11. In sac fungi, two genetically different mycelia join together, resulting in a _____ hypha in which each cell has two separate nuclei.
12. Imperfect fungi do not have a known _____ phase.
13. Fungal cell walls contain _____, a strong, flexible polysaccharide that is also found in the external skeletons of insects.

Short Answer.

14. What is the most important role of fungi in natural ecosystems, and why is this role important?
15. Describe how yeasts differ from other fungi.

ANSWER KEY –

1 – A

2 – C

3 – C

4 – C

5 – A

6 – B

7 – C

8 – D

9 – C

10 – zygosporangium

11 – dikaryotic

12 – sexual

13 – chitin

14 and 15 – see study guide