

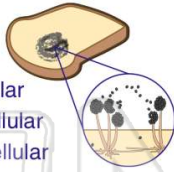


Name _____ Class _____ Date _____

1

Fungi, such as bread mold, use a **method of digestion** that is described as

- A chemical and intracellular
- B chemical and extracellular
- C mechanical and intracellular
- D mechanical and extracellular



2

Which organisms **lack a respiratory system** and **exchange** respiratory gases through thin, moist membranes **directly** with the environment?

- A bryophytes, tracheophytes, and reptiles
- B monerans, plants, and animals
- C monerans, protists, and fungi
- D chordates, arthropods, and coelenterates

3

Certain bacteria produce a chemical that makes them **resistant** to penicillin. Since these bacteria reproduce **asexually**, they **usually produce offspring that**

- A can be destroyed by penicillin

4

Some **deep-sea bacteria** live near submerged volcanoes and **make their own food** using energy derived from minerals coming from the volcanoes.

These bacteria would be **classified as**

5



PREVIEW

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7

- C pine tree
- D bean plant



- B Energy provided for autotrophic nutrition would be reduced.
- C The rate of mutations in plants would increase.
- D Soil fertility would increase.

9

A certain bacterial colony originated from the **division of a single bacterial cell**. Each cell in this colony will **most likely**

- A express adaptations unlike those of the other cells
- B replicate different numbers of genes
- C have a resistance to different antibiotics
- D synthesize the same proteins and enzymes

10

Which **change** in a sample of **pond water** could indicate that **heterotrophic microbes** were **active**?

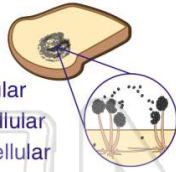
- A increase in ozone level
- B increase in glucose level
- C decrease in oxygen level
- D decrease in carbon dioxide level



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