



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 A **fungus** is an example of

- A an herbivore
- B a saprophyte
- C an autotroph
- D an omnivore



2 A colony of bacteria growing on a culture medium is **successfully synthesizing** an organic compound. Which procedure would be **least likely** to have an effect on this synthesis?

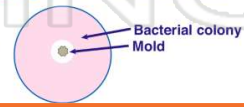
- A adding more subunits of the organic compound to the medium
- B lowering the pH of the medium
- C raising the temperature of the colony from 20°C to 30°C
- D increasing the number of hormone molecules in the colony

3 In an ecosystem, nutrients would be **recycled** if they were **transferred** directly from herbivores to carnivores to

- A hosts

4 Which statement best explains why **no mold** is growing in the **white area** next to the bacterial colony?

- A The mold cannot use the nutrient agar for food.



5



## PREVIEW

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7

- B photosynthesis only
- C cellular respiration only
- D fermentation



- B disease that killed the birds was inherited
- C gene alterations in the bacterial cells killed the birds
- D birds produced antigens in response to the bacteria

9

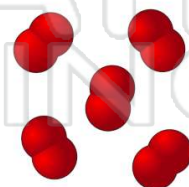
Which statement describes a **role of fungi** in an **ecosystem**?

- A They transfer energy to decaying matter.
- B They release oxygen into the ecosystem.
- C They recycle chemicals from dead organisms.
- D They synthesize organic nutrients from inorganic substances.

10

Microorganisms that **require oxygen** to survive are described as

- A aerobic
- B anaerobic
- C heterotrophic
- D saprophytic





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1 A **fungus** is an example of

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(B)

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(D)

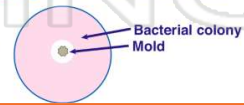
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(C)

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(B)



5 (A)

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7 (A)

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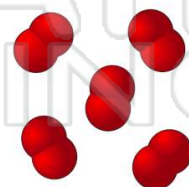
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(C)

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(A)