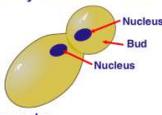




Name _____ Class _____ Date _____

1 The diagram below represents a yeast cell that is in the process of **budding**.



Which statement describes the **outcome** of this process?

- A The bud will develop into a zygote.
- B The two cells that result will each contain half the species number of chromosomes.
- C The two cells that result will have identical DNA.
- D The bud will start to divide by the process of meiotic cell division.

2 Which statement best describes how a **vaccination** can help **protect the body against disease**?

- A Vaccines directly kill the pathogen that causes the disease.
- B Vaccines act as a medicine that cures the disease.
- C Vaccines cause the production of specific molecules that will react with and destroy certain microbes.
- D Vaccines contain white blood cells that engulf harmful germs and prevent them from spreading throughout the body.

3 This graph shows the **growth** of a population of bacteria over a period of 80 hours. Which statement best describes **section II** of the graph?



- A The population has reached the carrying capacity of the environment.

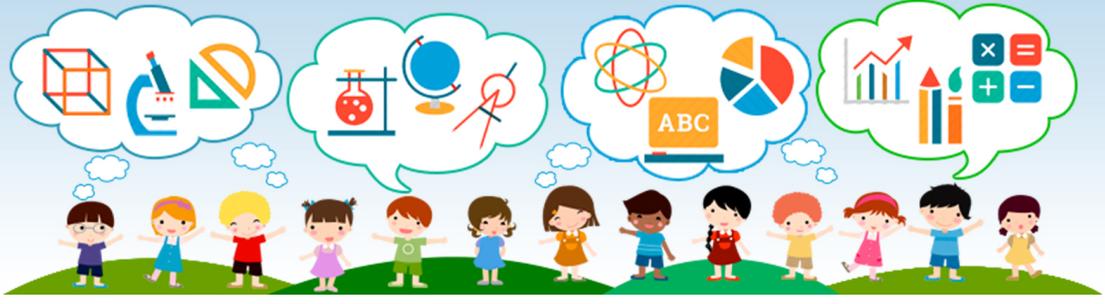
4 Two food chains are represented below.

Food chain A: aquatic plant → insect → frog → hawk

Food chain B: grass → rabbit → hawk

Decomposers are important for supplying energy for

5



PREVIEW

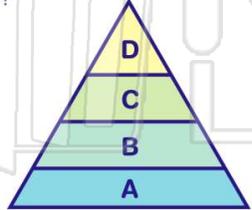
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7

- C manufacture food by respiration
- D contain vascular bundles

- C enzymes
- D hosts

9 Which **organisms** would most likely be found at **level A**?



- A birds
- B worms
- C mammals
- D algae

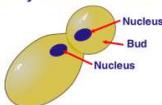
10 The use of **bio-remediation** by humans to **treat industrial wastes** is an example of

- A interfering with nature so that natural processes cannot take place
- B using a completely unnatural method to solve a problem
- C solving a problem by speeding up natural processes
- D being unaware of and not using natural processes



Name _____ Class _____ Date _____

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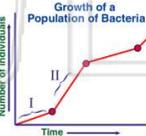
C

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C

PREVIEW

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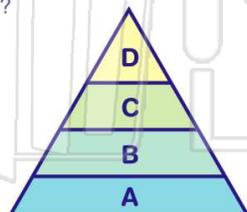
A

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C