

Standardized Test Prep

Test-Taking Tip

As you briefly scan the questions, mark those that may be pure guesswork on your part and save them for last. (Do not write in this book.) Use your time on those questions that you can reason through and for which you can eliminate answers.

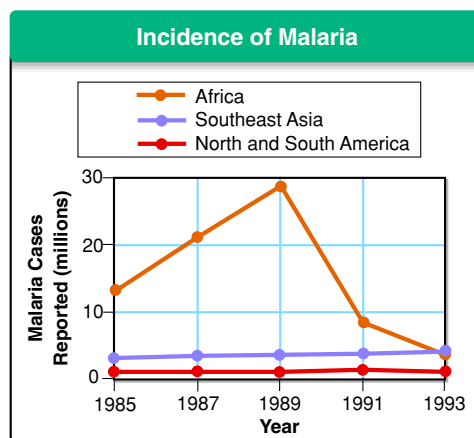
Directions: Choose the letter that best answers the question or completes the statement.

- Which of the following is NOT a characteristic of protists?
 - cell wall containing peptidoglycan
 - membrane-bound nucleus
 - flagella
 - cilia
 - chlorophyll
- In amoebas, what structure helps the organism move and feed?
 - flagellum
 - cilia
 - food vacuole
 - pseudopod
 - contractile vacuole
- Which of the following is true of the process of conjugation in protists?
 - It occurs only in photosynthetic protists.
 - It results in the trading of some genetic material with another organism.
 - It produces offspring that are genetically identical to the parent.
 - Four new individuals are formed from each single organism.
 - It decreases the genetic diversity of a population of organisms.
- Which of the following is NOT a characteristic of funguslike protists such as slime molds?
 - eukaryotic
 - lack cell walls of chitin
 - multicellular at some time in life cycle
 - photosynthetic
 - have centrioles
- Which of the following is characteristic of some types of algae?
 - Alternation of generations
 - Multicellularity
 - Parasitism
 - I only
 - II only
 - I and II only
 - II and III only
 - I, II, and III

Questions 6–9 Select the best lettered choice for each of the following numbered statements. A choice may be used once, more than once, or not at all.

- Contractile vacuole
 - Trichocyst
 - Anal pore
 - Gullet
 - Food vacuole
- Contains food particles in organism's body
 - Indentation leading to organism's mouth
 - Collects and gets rid of excess water
 - Site where waste is released to the environment

Questions 10–11 Use the graph below to answer the following questions.



- It is estimated that there are at least ten actual cases of malaria for every one reported and shown in the graph. Based on this estimate, how many millions of cases of malaria were there in Africa in 1991?
 - 9
 - 5
 - 20
 - 50
 - 90
- Based on the data in the graph, the incidence of malaria is
 - declining in Africa.
 - increasing in Southeast Asia.
 - increasing in North and South America.
 - I only
 - II and III only
 - I and II only
 - III only
 - I, II, and III

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|------|------|-------|
| 1. A | 5. C | 9. C |
| 2. D | 6. E | 10. E |
| 3. B | 7. D | 11. C |
| 4. D | 8. A | |

Performance-Based Assessment

Students should make models of any of the animallike protists described in Section 20–2. Typically, students will make a model of *Trichomonas*, an amoeba, and a paramecium. You might want to provide illustrations from college biology books for an example of a sporozoan; *Plasmodium* would be a good choice. Provide craft materials for students to use in making their models, including some kind of commercial gelatin for cytoplasm. You might have students label their models with toothpick-and-paper flags. Students should describe each of the organisms they model, especially the means of movement of each organism.

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