

REX 4: Unit 4 Lesson A (EXTRA 10 questions)

DIRECTIONS: Choose the best answer for each question.

Design by Nature: Biomimetics (REX4__pages 63-66)

- ____ 1. In paragraph A, why is Parker in the Australian desert?
 - a. He is visiting a museum as a guest lecturer.
 - b. He is there on summer vacation.
 - c. He is there to study the thorny devil and how it collects water.
 - d. He is returning the thorny devil to its natural habitat.

- ____ 2. What is the purpose of paragraph E ?
 - a. to give examples of designs inspired by different species of fish
 - b. to show that there are different biomimetics projects around the world
 - c. to explain how researchers in Japan have developed a painless needle
 - d. to highlight the biomimetics work of Parker, Rubner, and Cohen

- ____ 3. Which animal is NOT mentioned in the passage?
 - a. butterflies
 - b. termites
 - c. dogs
 - d. cats

- ____ 4. What can we infer from this passage?
 - a. that people around the world buy a lot of biomimetics products
 - b. that it is impossible to have another product as successful as Velcro
 - c. that successful biomimetics projects take a lot of time to create
 - d. that robot flies will soon look and act exactly like flies in nature

- ____ 5. In the second sentence of paragraph G, what does *it* refer to?
 - a. the gecko
 - b. the gecko's foot
 - c. the robot gecko
 - d. the structure

- ____ 6. Which biomimetic invention mentioned in the passage has had the most commercial success?
 - a. Stickybot
 - b. Velcro
 - c. painless needles
 - d. a water collection device

- ____ 7. Which paragraph describes what Stickybot can do?
 - a. Paragraph C
 - b. Paragraph E
 - c. Paragraph F
 - d. Paragraph G

- ____ 8. Which paragraph gives examples of Parker's work in biomimetics?
 - a. Paragraph B
 - b. Paragraph C

- c. Paragraph D
- d. Paragraph E

- _____ 9. Which paragraph contrasts Parker's views with Rubner and Cohen's?
- a. Paragraph C
 - b. Paragraph D
 - c. Paragraph E
 - d. Paragraph H
- _____ 10. Which paragraph explains why there are not more well-known biomimetic products?
- a. Paragraph A
 - b. Paragraph D
 - c. Paragraph H
 - d. Paragraph I