

## 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

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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