Name _____ ANSWER KEY _____   Date _____

Informational Reading Comprehension | IMITATING NATURE

Answer the questions about "Imitating Nature."

1. **How does the author introduce the passage?**
   A. by specifying how different animal abilities led to invention
   B. **by providing examples of people observing nature**
   C. by arguing that people have copied nature for a long time
   D. by starting with the most recent events

2. **Using information from the passage, write a definition for _biomimicry_.**
   Sample answer: Biomimicry is a scientific practice in which scientists and engineers closely examine and imitate aspects of the natural world in order to solve human problems.

3. **What is the author's main purpose for writing the passage?**
   Sample answer: The author's main purpose is to inform the audience about the concept and process of biomimicry by giving real examples of inventions or technologies that are based on something in nature.

4. **Reread the first sentence of paragraph 4. Why did the author include this sentence in the article?**
   A. **to indicate that paragraph 4 will differ from the previous paragraphs**
   B. to give additional details about the previous paragraph
   C. to present an opposing viewpoint from the previous paragraphs
   D. to offer solutions to the problems in the previous paragraphs

5. **Which of the following statements would the author _most likely_ agree with?**
   A. Technology will help humans control and surpass nature.
   B. Humans must work to preserve our natural resources.
   C. Imitating nature is the most efficient way to solve problems.
   D. **There is much that humans can learn by observing nature.**

6. **How might the information in paragraph 3 be presented differently if it were in a memoir written by Eiji Nakatsu?**
   Sample answer: A memoir by Eiji Nakatsu would probably give more insight about his thought process when he observed the kingfisher diving and how he thought that shape could solve the noise problem. It might also contain more detailed and technical descriptions of the problem with the original bullet train shape.

7. **What other living things do you think would make a good candidate for biomimicry? Describe what aspects you would imitate and the types of inventions or solutions you would create.**
   Answers will vary.