



NAME: _____ DATE: _____ CLASS: _____

Biologize the Design Question Student Notes Sample Answers

Directions

As you view the Biologize the Question Presentation, use the following questions to organize and summarize your learning. Wherever possible, record definitions and explanations in your own words.

1. What step in the biomimicry process makes it possible to begin looking to nature for design ideas?

The step in which we translate the design question (challenge) into biology terms. This step is sometimes called "biologizing" the design question.

2. Define "function."

Function is the purpose or outcome of something. It is usually expressed as a verb.

3. Define "strategy."

Strategies are the features of an organism or design that accomplish a function, including characteristics, mechanisms, or processes.



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Biologize the Design Question Student Notes, continued

4. Why are function and strategy important in biomimicry?

Human designs and organisms in nature both use strategies to achieve functions, so function and strategy link nature (biology) and design.

5. Define “context.”

Context describes the conditions in which a strategy must function.

6. Explain why it is important to consider context when looking for strategies.

There are many ways to accomplish a given function. Strategies vary depending on the context, or the conditions in which a strategy is used.
