



NAME: _____ DATE: _____ CLASS: _____

Biologize the Design Question Worksheet Sample Answers

Directions

Use this worksheet to help your team "biologize" your design question into terms you can use to look for biological models.

Biologize Your Team's Design Question

Design Question:

Record the design question your team developed using the IDENTIFY worksheet:

How might we make biking safer on busy, wet roads?

Functions:

List the basic things your design needs to do.

Protect
Create traction
Enhance visibility

Context:

Use simple terms to describe the conditions in which your design must function.

Moving quickly
Wet surfaces
Busy/chaotic environment

Biologized Questions:

Restate your design question as a one or more "How does nature..." question that uses the functions and context you listed above. You may find that there are multiple ways to "biologize" your question.

How does nature ...
...Create traction on wet surfaces?
...Enhance visibility in busy/chaotic environments?
...Protect from water/wetness?