### Activity 1 Worksheet

Biomimicry: linking form and function to evolutionary and ecological principles

## What is biomimicry?

* Look at the pairs of pictures. Each is an example of biomimicry.
* As you look at each pair of pictures, think about the following:
	+ What is similar about their shape or form?
	+ What is similar about their function?
	+ What is the relationship between each pair?
	+ How do you think the two are related?
* Afterwards, write one or two sentences to define biomimicry.

Initial definition of biomimicry:

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## Flight efficiency of birds and aeroplanes



## Adhesion of burrs on plants and Velcro



## Harvesting water like a beetle



## Ventilation systems inspired by termites



## Swimsuits designed like shark skin



Rough paint to repel dirt and debris resembles the surface of a lotus flower

## Bumps on whale skin are replicated on wind turbines



## Shock absorbers mimic woodpeckers



## Aerodynamic similarities between a kingfisher and bullet train

