Lesson 02 Biomimetics

バイオミメティクス

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Nature helps us create new technologies. These $\frac{1}{2}$ $\frac{1}{2}$

Lotus plants grow in muddy ponds. However, their leaves are always dry and clean. Why? The surface of a lotus leaf is covered with tiny, rough bumps. When water the leaf, the drops run down and gather as one. At the same time, the water drops carry away mud and dust.

This self-cleaning ability of lotus leaves is known as the ""

"lotus effect." One food company uses this effect to make "

"yogurt lids. The lids have a bumpy surface, so they are always clean.

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Another example of biomimetics comes from cats. Cats

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and cough up furballs. One electronics company uses this true to the formula of the electronics company uses this same mechanism for its vacuum cleaners. Their fan blades the tongue of a cat. The blades press the dust together like a furball. This makes the dust more to empty our vacuum of the electronics company uses this true that the electronics company uses this that the electronics company uses this true that the electronics company uses this the electronics company uses this true that the electronics company uses this true that the electronics company uses this the electronics company uses this true that the electronic company the electronic company uses this true that the electronic company the electronic company the electronic company that the electronic company the electronic company that the electroni