

Lesson 02 テキストチェッカー (Q&A 集)

Part 1

- 1) What helps us create new technologies?
 - Nature (does).
- 2) What are those technologies called?
 - Biomimetics.
- 3) Where do lotus plants usually grow?
 - In muddy ponds.
- 4) Are lotus leaves always dry and clean?
 - Yes, they are.
- 5) What is the surface of a lotus leaf covered with?
 - It's covered with tiny, rough bumps.
- 6) What happens when water falls on a lotus leaf?
 - The drops run down and gather as one.
- 7) What do the drops do at the same time?
 - They carry away mud and dust.
- 8) What is the “lotus effect”?
 - It is the self-cleaning ability of lotus leaves.
- 9) What did a food company make by using the lotus effect?
 - Yogurt lids.

Part 2

- 1) What do cats use to groom themselves?
 - They use their tongues.
- 2) What do cats do after they swallow the fur?
 - They cough up furballs.

3) One electronics company uses this mechanism for its products. What are the products?

— Vacuum cleaners.

4) The vacuum cleaners have rough fan blades like the tongue of a cat. What is the purpose of that?

— To press the dust together (like a furball).

5) When the dust is pressed together, does it become more compact?

— Yes, it does.

6) What is the plus side of making the dust more compact?

— We do not have to empty our vacuum cleaners so often.