



## Chapter 2: Microorganisms

### **HOTS questions:**

1. (a) Because of the higher temperature in summers favours the growth of Lactobacillus bacteria.  
(b) Because of the higher temperature in summers favours the growth of Lactobacillus bacteria.
2. Nitrogen is used to inhibit growth of bacteria, which keeps the chips fresher for a longer time .
3. To prevent contamination of disease-causing microbes of our food we should always wash our hands before handling food and after going to toilet.
4. The lifespan of bacteria is very short and they reproduce very quickly. Because of this thousands of generations pass within a few years. Therefore evolution, such as becoming resistant to antibiotics occurs in bacteria within our own life time.

### **Be a Scientist**

Mould has antibiotic qualities and can therefore kill bacteria. These days, we use antibiotic medicines such as penicillin, made from the mould to prevent infection.