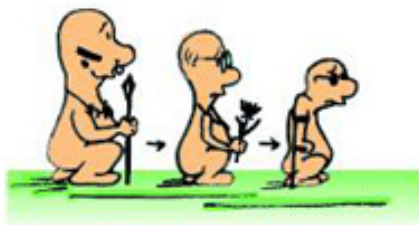


1



Evolution of bacteria.

2



The wild-type microorganism lives a hardy life in its natural environment.

3



After isolation and many generations in the laboratory, there is a striking change in the microorganism's characteristics.

4



During the microbiologist's search for mutants, they degenerate even more.

5



Ultraviolet light is used to induce many mutations, although some bacteria do not seem to mind this treatment.

6

Among the various mutants, one can find the desired phenotype, outward appearance of the bacteria.



various defective mutants,

7



and, of course, revertants.

8



It's no wonder after all this that some microbes choose to escape from the laboratory.

Mutants - An organism that has changed physically or/and biochemically.
 Revertant - A mutant that regains a former capability by undergoing further mutation.