

15 Antibiotic resistance — Part 2 — Answers

Answers

Work through these after trying the questions yourself.

15.6 The antibiotic no longer kills them — they survive it.

15.7 The antibiotic kills the non-resistant bacteria, so only the resistant ones are left, and they then multiply.

15.8 MRSA.

15.9 Any two of: only use antibiotics when really needed; finish the whole course; do not use them for viral infections.

15.10 No — you should always finish the whole course.

15.11 A few bacteria are resistant by chance (from a **mutation**). When the antibiotic is used it kills the non-resistant ones, so only the **resistant** bacteria survive. These reproduce and pass on the resistance, until almost the whole population is resistant (**natural selection**).