



Statement of participation

Muhammad Farid Wajdi Makkulau

has completed the free course including any mandatory tests for:

Microbes – friend or foe?

This 10-hour free course provided an introduction to the nature, function and effect of microbes, which can be helpful as well as harmful.

Issue date: 16 September 2025

www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/nature-environment/microbes-friend-or-foe/content-section-0>

COURSE CODE: **SG071_1**

Microbes – friend or foe?

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Course summary

Microbes often get a bad name. Whilst some of them do cause disease, others play vital roles in recycling nutrients in the soil to enable plants to grow, and in breaking down human waste. Without microbes, we would have no beer, no yoghurt, no coffee. That's quite impressive for something too small to see. This free course, Microbes friend or foe? sheds some light on them.

Learning outcomes

By completing this course, the learner should be able to:

- demonstrate general knowledge and understanding of some of the basic facts, language, concepts and principles relating to microbiology and its importance and applications in biological and health sciences and environmental sciences
- understand the contribution that microbiology can make to informed debate on medical and environmental issues
- make sense of information presented in different ways, including textual, numerical and graphical material.

Completed study

The learner has completed the following:

Section 1

Disease-causing bacteria

Section 2

Microbes in sewage treatment