

MICROBIOLOGY

Interactive Websites

Online Labs-Interactive Microscopes and Tutorials, some require a sign-up, but are free.

- <http://onlinelabs.in/biology>

Cells Alive – Interactive bacterial cell that is easy to manipulate.

- http://www.cellsalive.com/cells/bactcell_js.htm

Build-A-Cell-Interactive Bacterial Cell, free sign-up to use.

- https://www.spongelab.com/game_pages/bac.cfm

Informational/Instructional Websites & Videos

CliffsNotes-A shortened version of everything you need to know about microbiology.

- <https://www.cliffsnotes.com/study-guides/biology/microbiology/introduction-to-microbiology/a-brief-history-of-microbiology>

BioEd Online-Includes individual lessons on the science of microbes, student readings, videos and slideshows.

- <http://www.bioedonline.org/lessons-and-more/>

"Sciencemusicvideos" is a channel that lets you learn biology through music, rhyming lyrics, graphics, and animation. ... you can find interactive tutorials that use flashcards, interactive diagrams, and multiple choice quizzes with immediate feedback to help you deeply learn the material covered in my songs. In addition to music videos, try my video lectures. As with my songs, they're integrated with interactive tutorials at sciencemusicvideos.com to help you learn this material in a sophisticated and nuanced way.

- <https://www.youtube.com/watch?v=Pfu1DE9PK2w>

Lumen Microbiology-Thorough discussion of Koch's Postulates, numerous labeled diagrams and charts, discussion questions and practice test questions.

- <https://courses.lumenlearning.com/microbiology/chapter/how-pathogens-cause-disease/>

Morphology and Classification of Bacteria-Classification of bacteria, comparisons of prokaryotic and eukaryotic cells, microscopes (types, staining), bacterial structures and functions (information and diagrams), bacterial growth.

- <https://nios.ac.in/media/documents/dmlt/Microbiology/Lesson-01.pdf>

Columbia.Edu-Thorough introduction to the classification of bacteria, Gram stains and helpful charts on the classification of Gram Positive and Negative and Miscellaneous Bacteria.

- <http://www.columbia.edu/itc/hs/medical/pathophys/id/2009/introNotes.pdf>

Terminology, Games and Practice Tests

Easy Notecards-Includes terms, definitions, practice quizzes and games.

- http://www.easynotecards.com/notecard_set/302

Quizlet-Includes terms, definitions, practice quizzes and games.

- <https://quizlet.com/1265419/microbiology>
- <https://quizlet.com/173210280/microbiology>

Study.Com-Beginning to end, everything you need to know about microbiology. Includes information, scenarios and videos. Practice quizzes are free for a 5-day sign up.

- <https://study.com/search/text/academy.html?q=microbiology#/lessons/microbiology>