

## **BIOLOGY**

### **Interactive Websites**

Utah Education Network: Biology Online Interactive Activities-Includes interactive simulations on ecosystems, cells, organ systems, genetics and evolution.

- <http://www.uen.org/core/science/studentactivities/biology.shtml>

Virtual Labs which allow you to practice the skills and techniques of scientific research in a fully interactive, virtual environment, as well as hundreds of free science education resources.

- <http://www.hhmi.org/biointeractive/explore-virtual-labs>

PhET Interactive Simulations- Interactive simulations for multiple biology topics.

- <https://phet.colorado.edu/en/simulations/category/biology>

Connecting Concepts: Interactive Lessons in Biology-A series of interactive web-based lessons designed to give introductory undergraduate biology students opportunities to connect biology concepts.

- <https://ats.doit.wisc.edu/biology/lessons.htm>

Online Labs – Biology “a list of freely available online biology lab resources, including microscopy, genetics and life science.”

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

### **Informational/Instructional Websites & Videos**

“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](http://sciencemusicvideos.com) to help you learn this material in a sophisticated and nuanced way.

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

Encyclopedia of Life-A free online resources that brings together information about all life on Earth including texts, images, videos, sounds, maps, classifications, etc.

- <http://eol.org>

Biology Corner-Contains lessons, videos, interactive simulations and experiments, handouts, etc., on the topics of anatomy, cell biology, evolution, genetics and ecology.

- <https://phet.colorado.edu/en/simulations/category/biology>

Learn.Genetics-Basic genetics topics that include chromosomes, DNA, RNA, traits, genes, inheritance, etc. Each topic is described in text and include a video or interactive simulation.

- <http://learn.genetics.utah.edu/content/basics/>

## **Terminology, Games and Practice Tests**

Varsity Tutors: Free Biology Practice Tests- Numerous practice tests with a variety of difficulty levels. Sign-up is free and optional.

- [https://www.varsitytutors.com/high\\_school\\_biology-practice-tests](https://www.varsitytutors.com/high_school_biology-practice-tests)

APStudents-AP Biology Exam Practice information which includes, the exam format, exam practice tips, numerous free response questions with scoring guidelines and answers.

- <https://apstudent.collegeboard.org/apcourse/ap-biology/exam-practice>

Biology Junction-Includes online quizzes to review each topic covered in biology; answers are not included.

- <http://www.biologyjunction.com/quizzes.htm>

HESIA2 Practice Test-An interactive exam of 40 questions, that includes instant scoring and detailed explanations.

- <http://www.hesia2practicetest.com/hesi-a2-biology-practice-test/>