



PHET ALIGNMENT TO SEPUP SGI BIOLOGY

August, 2020

Science and Global Issues: Biology is authored by the Science Education for Public Understanding Program (SEPUP) at the Lawrence Hall of Science, University of California, Berkeley, and published by Lab-Aids. PhETs are developed separately and available at <https://phet.colorado.edu>. This list is not an implied endorsement of the content, just supplied by the Lab-Aids Product Management Team as a service for teachers who use PhETs. This list is arranged by SGI Biology unit.

Cell Biology

Membrane Channels

- Membrane Channels
- Cell Membrane
- Diffusion

<https://phet.colorado.edu/en/simulation/legacy/membrane-channels>

Genetics

Gene Expression Essentials

- Gene Expression
- DNA Transcription
- Protein Synthesis

<https://phet.colorado.edu/en/simulation/gene-expression-essentials>

- The Lac Operon
- Gene Regulation
- Genes
- Cellular Metabolism

<https://phet.colorado.edu/en/simulation/legacy/gene-machine-lac-operon>

Evolution

Natural Selection

- Natural Selection
- Evolution
- Genetics

<https://phet.colorado.edu/en/simulation/legacy/natural-selection>

Radioactive Dating Game

- Radiometric Dating
- Carbon Dating
- Half Life

<https://phet.colorado.edu/en/simulation/legacy/radioactive-dating-game>