

Biology Materials – Directory with Links Directions

Click on Underlined Hyperlinks to Open Resources

[Science Math Master: Biology summer workshop introduction](#)

Science Education in Florida

- [Nation's Report Card](#)
- [Florida's Report Card](#)

Resources for the Current Next Generation Sunshine State Standards

Visiting this page at the CPALMS website and following appropriate links below will lead you to resources specific to a standard, including Test Item specifications with clarification and content limits, Sample Test Items, and related information.

- **Navigating the Next Generation Sunshine State Standards**
 - Choose:
 - Section: Grades Pre-K to 12 Education courses
 - Grade Group: Grades 9 to 12 and Adult Education Courses
 - Subject: Science
 - Sub Subject: Biological Sciences
 - [Course Biology 1-2000310](#)
- **Biology End of Course exam (EOC)**
 - [Biology 1 End of Course Assessment Test Item Specifications](#)
 - [Specific benchmarks assessed by the EOC](#)
 - [2012 Biology 1 EOC Fact Sheet](#)
 - [EOC Test Design Summary](#)
 - [EOC sample questions](#)
 - [Assessment Schedule 2012-2013](#)
 - [Results](#)
 - [Understanding EOC Assessment Reports](#)
 - [EOC Content Focus and Exam forms](#)
- **Next Generation Science Standards**
 - [Framework for K-12 Science Education](#)
 - May 2012 draft of the Next Generation Science Standards
 - [Why Science Standards](#)
 - [About the Development](#)
 - [NGSS 3 dimensions](#)
 - [NGSS FAQ](#)
 - [NGSS structure and background](#)
 -
- **Model Lessons to boost student performance in areas of difficulty and introduce Scientific Practices:**
 - [Lesson Plan Template](#)
 - Benchmark/Standard: SC.912.L.14.26 Identify the major parts of the brain on diagrams or models.

- [Lesson plan guide](#)
 - [PowerPoint](#)
 - [Hook](#)
 - [Activity/Notes](#)
- PowerPoint on Scientific Practices describing the adaptability and relevance of the accompanying model lessons
- Benchmark/Standard: **SC.912.L.17.8** Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.
 - [Environmental Components of Species Distribution](#)
 - [Environmental Components of Species Distribution](#)
- Benchmark/Standard: SC.912.L.18.3. Describe the structures of fatty acids, triglycerides, phospholipids, and steroids. Explain the functions of lipids in living organisms. Identify some reactions that fatty acids undergo. Relate the structure and function of cell membranes.
 - [Cell Membrane Permeability](#)
 - [Cell Membrane Permeability](#)
 - [Membrane Solutions Structures](#)
- Benchmark/Standard: SC.912.L.15.2 Explore the scientific theory of evolution by recognizing and explaining ways in which genetic variation and environmental factors contribute to evolution by natural selection and diversity of organisms.
 - [Descent With Modification](#)
 - [Natural Selection](#)
 - [Other Versions](#)
 - [Other Versions 2](#)
 - [What Evolution is NOT](#)