



Introducing the Iowa End-of-Course Assessments—Online

Why end-of-course?

- Measures student knowledge in core high school courses
- Provides standards-based reporting
- Assists in course evaluation
- Program evaluation
- Measures progress towards post-secondary readiness

What courses?

- Algebra I
- Algebra II
- Matrix Algebra
- Probability and Statistics
- Geometry
- Physical Science
- Biology
- Chemistry
- U.S. History
- U.S. Government
- English Language Arts

Why the Iowa End-of-Course Assessment?

- Information on the Iowa Core
- Information on the Common Core State Standards
- Valid measure to assist local educators in placement, instructional planning and program review

Online delivery

Immediate reporting

Go to
www.education.uiowa.edu/itp
to get started

Assessment Content Descriptors (an example)

Below are descriptions of the content associated with the Biology End-of-Course Test.

The Cell

Topics may include cell types, cell components and their functions, cellular processes, the cell cycle.

Molecular Basis of Heredity

Topics may include DNA, RNA, chromosomes, reproduction, genes, alleles, Punnett square, genotype, phenotype, mutations.

Biological Evolution

Topics may include diversity of organisms, descent from common ancestors, natural selection, survival and reproductive success, genetic variation, biological classification.

Interdependence of Organisms

Topics may include symbiotic interactions, competition, predation, population, community, food chains, food webs, direction of energy flow.

Matter, Energy, and Organizations in Living Systems

Topics may include the sun as the primary source of energy for life, metabolism ATP enzymes as catalysts of biological reactions, conservation of matter and energy.

Behavior of Organisms

Topics may include innate behavior, learning, nervous system, behavioral responses to external and internal stimuli.

| Student Score Report | Total Number Correct | Total Number Possible |
|---|----------------------|-----------------------|
| The Cell | 4 | 6 |
| Molecular Basis of Heredity | 6 | 8 |
| Biological Evolution | 3 | 4 |
| Interdependence of Organisms | 2 | 3 |
| Matter, Energy, and Organizations in Living Systems | 2 | 4 |
| Behavior of Organisms | 4 | 5 |
| Total Biology Score | 21 | 30 |

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