Oklahoma School Testing Program
Oklahoma Modified Alternate Assessment Program
Biology I
Test Blueprint
School Year 2013-2014

The Test Blueprint reflects the degree to which each standard and objective is represented on the test. The overall distribution of operational items in a test form is intended to look as follows:

Process/Inquiry Standards and Objectives	Ideal Number of Items	Ideal Percentage of Items
P1.0 Observe and Measure	**6**	**12%**
1.1 Qualitative/quantitative observations and changes	4	
1.2 Use appropriate tools & 1.3 Use appropriate System International (SI) units	2	
P2.0 Classify	**6**	**12%–13%**
2.1 Use observable properties to classify	2–4	
2.2 Identify properties of a classification system	2–4	
P3.0 Experimental Design	**13–16**	**27%–32%**
3.1 Evaluate the design of investigations	3–4	
3.2 Identify controlled variables and experimental controls in an Experiment & 3.4 Identify a testable hypothesis in a biology investigation	3–4	
3.3 Use mathematics to show relationships	3–4	
3.5 Identify potential hazards and practice safety procedures in all science activities	3–4	
P4.0 Interpret and Communicate	**16–19**	**33%–39%**
4.1 Select predictions based on observed patterns of evidence	3–4	
4.3 Interpret line, bar, trend, and circle graphs	3–4	
4.4 Accept or reject a hypothesis	3	
4.5 Make logical conclusions based on experimental data	3–4	
4.8 Identify an appropriate graph or chart	3–4	
a. Translate quantitative information expressed in words into visual form (e.g., a table, chart, equation)		
b. Translate information expressed visually or mathematically (e.g., a table, chart, equation) into words		
P5.0 Model	**6**	**13%**
5.1 Interpret a model which explains a given set of observations	3	
5.2 Select predictions based on models using mathematics when appropriate	3	
Total Test	**46–49[1]**	**100%**

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Content Standards and Objectives	Ideal Number of Items	Ideal Percentage of Items
C1.0 The Cell	**9–12**	**21%–27%**
1.1 Cell structures and functions	3–5	
1.2 Differentiation of cells	2–4	
1.3 Specialized cells	2–4	
C2.0 The Molecular Basis of Heredity	**9–12**	**21%–27%**
2.1 DNA structure and function in heredity	3–6	
2.2 Sorting and recombination of genes	4–7	
C3.0 Biological Diversity	**9–12**	**21%–27%**
3.1 Variation among organisms	2–4	
3.2 Natural selection and biological adaptations	3–5	
3.3 Behavior patterns can be used to ensure reproductive success	2–4	
C4.0 The Interdependence of Organisms	**6–8**	**14%–18%**
4.2 Organisms both cooperate and compete	3–5	
4.3 Population dynamics	3–5	
C5.0 Matter/Energy/Organization in Living Systems	**10**	**21%**
5.1 Complexity and organization used for survival	3–4	
5.2 Matter and energy flow in living and nonliving systems	3–4	
5.3 Earth cycles including abiotic and biotic factors	3–4	
Total Test	**43–46[1,2]**	**100%**

[1] The actual number of items scored for a student may be slightly lower pending a review of item statistics.
[2] Three or four out of the 46 total items assess the "Safety" process standard for which there is no corresponding content standard.

- Percentages are approximations and may result in a sum other than 100 due to rounding.
- Student performance on the multiple-choice test will be reported at the standard level. A minimum of 6 items is required to report a standard.
- The Oklahoma Academic Standards for Biology I standards correspond to the *PASS* Biology I standards.
- **The Oklahoma Modified Alternate Assessment Program (OMAAP) will only be available for repeat testers starting in school year 2013-2014.**