

Alternative Science Testing Structure

The testing structure for science reflects both the number of operational assessment items and the number of field test assessment items.

Course	Administration Window*
Biology	Multiple untimed sessions <ul style="list-style-type: none"> 24 multiple choice items (20 operational items and 4 field test items)

* Teachers may administer the assessment in as many sessions as necessary throughout the entire administration window.

TCAP Alternate Biology End-of-Course Blueprint 2017-18

The blueprints reflect only operational assessment items.

Biology		
Content	# of items	% of test
Cells	5-7	25-35
3210.1.3	Distinguish among proteins, carbohydrates, lipids, and nucleic acids.	
3210.1.5	Identify how enzymes control chemical reactions in the body.	
3210.1.6	Determine the relationship between cell growth and cell reproduction.	
Interdependence	2-3	10-15
3210.2.2	Interpret the relationship between environmental factors and fluctuations in population size.	
Flow of Matter and Energy	3-5	15-25
3210.3.1	Interpret a diagram that illustrates energy flow in an ecosystem.	
3210.3.3	Compare and contrast photosynthesis and cellular respiration in terms of energy transformation.	
Heredity	2-4	10-20
3210.4.4	Determine the probability of a particular trait in an offspring based on the genotype of the parents and the particular mode of inheritance.	
3210.4.5	Apply pedigree data to interpret various modes of genetic inheritance.	
Biodiversity and Change	4-6	20-30
3210.5.1	Compare and contrast the structural, functional, and behavioral adaptations of animals or plants found in different environments.	
3210.5.3	Recognize the relationships among environmental change, genetic variation, natural selection, and the emergence of a new species.	