

Reporting Categories and Content Standards

Reporting Category/Domain	Content Standards Assessed	Approximate # of Points	Approximate % of Test
Cells	SB1 (a, b, c, d, e)	9	20%
Cellular Genetics & Heredity	SB2 (a, b, c)	11	23%
	SB3 (a, b, c)		
Classification & Phylogeny	SB4 (a, b, c)	6	13%
Ecology	SB5 (a, b, c, d, e)	12	27%
Theory of Evolution	SB6 (a, b, c, d, e)	8	17%
Total		46	100%

Depth of Knowledge

Depth of Knowledge (DOK) is measured on a scale of 1 to 4 and refers to the level of cognitive demand (different kinds of thinking) required to complete an assessment item. The following table shows the expectations of the four DOK levels on the End-of-Course Biology exam.

Depth of Knowledge	Approximate # of Points	Approximate % of Test
Level 1	5 to 9	10% to 20%
Level 2	23 to 28	50% to 60%
Level 3	12 to 16	25% to 35%
Level 4	N/A	N/A

Assessment Design

Item Type	# of Items	# of Points
1-point Selected-Response and Technology-Enhanced Items ^{1, 2}	30	30
2-point Technology-Enhanced Items ¹	8	16
Field Test Items ³	4	0
Total⁴	42	46

¹ **Technology-Enhanced:** Possible variants of the technology-enhanced item types used for Biology include multiple-part selected-response, multiple-select, drag-and-drop, and drop-down.

² **1-point Selected-Response and Technology-Enhanced Items:** The ratio of selected-response to technology-enhanced items may vary. The target range of 1-point technology-enhanced items is 0 to 5.

³ **Field Test Items:** Field test items may include 1-point selected-response, 1-point technology-enhanced, and 2-point technology-enhanced items.

⁴ **Total:** Of the total 42 items, 38 contribute to the student's Biology score.