

Biology Blueprint

Administration

Although not timed, the tests are designed for a 90-minute period. This includes the time it takes to administer and complete the test.

Construction of the Test

- The 2017 EOCEP will have 60 test questions.
- The blueprint will have a range of items (8-18) aligned to each standard. Standard 1 test items (the science and engineering practices) will be embedded throughout the test.
- The items will cover a range of difficulty levels.
- The Biology EOCEP test will include two scenario sets. A scenario set consists of a scenario (scientific text, graph, or data) with three test items related to the scenario.
- The Biology EOCEP will have 2-6 technology enhanced (TE) items.

Standard	Number of Indicators	Number of Items
H.B.1 The student will use the science and engineering practices, including the processes and skills of scientific inquiry, to develop understandings of science content.	9	8-10
H.B.2 The student will demonstrate the understanding that the essential functions of life take place within cells or systems of cells.	12	12-18
H.B.3 The student will demonstrate the understanding that all essential processes within organisms require energy which in most ecosystems is ultimately derived from the Sun and transferred into chemical energy by the photosynthetic organisms of that ecosystem.	5	8-10

<p>H.B.4 The student will demonstrate an understanding of the specific mechanisms by which characteristics or traits are transferred from one generation to the next via genes.</p>	<p>8</p>	<p>8-12</p>
<p>B.5 The student will demonstrate an understanding of biological evolution and the diversity of life.</p>	<p>7</p>	<p>8-12</p>
<p>H.B.6 The student will demonstrate an understanding that ecosystems are complex, interactive systems that include both biological communities and physical components of the environment.</p>	<p>6</p>	<p>8-10</p>