

CAPT Third Generation: Science

The third generation of the CAPT Science will change significantly from the second generation. To better align with the new Science Curriculum Framework, the following content strands will be reported:

- Energy Transformations
- Chemical Structures and Properties
- Global Interdependence
- Cell Chemistry & Biotechnology
- Genetics, Evolution & Biodiversity

In addition, scores will be reported for the following:

- Conceptual Understanding
- Scientific Inquiry, Literacy and Numeracy

Students will respond to 60 multiple choice (MC) and 5 open-ended (OE) items. The test will continue to be divided into two 50- minute sessions. The following table shows the distribution of items.

Test Design

Content Strand	Conceptual Understanding	Scientific Inquiry, Literacy and Numeracy		Total Points
	MC Items* (1 point each)	MC Items (1 point each)	OE Items (3 points each)	
I. Energy Transformations	8	4	1	15
II. Chemical Structures & Properties	8	4	1	15
III. Global Interdependence	8	4	1	15
IV. Cell Chemistry & Biotechnology	8	4	1	15
V. Genetics, Evolution & Biodiversity	8	4	1	15
Total Points	40	35		75

Curriculum-Embedded Science Performance Tasks

There will no longer be a single CAPT Science Performance Task administered just prior to the written CAPT Science test. Instead, a curriculum-embedded science performance task has been developed for **each** of the five content strands that will be utilized for the entire third generation of the test. Schools are encouraged to embed these tasks into their regular grade 9 and 10 science curricula at the appropriate time. All of the open-ended items on the written test will be related to the five tasks. The science tasks can be found at <http://www.state.ct.us/sde/dtl/curriculum/currsciembed.htm>