

NGSS in California



- **2014–2016:** Revision of CA Science Curriculum Framework
 - **Nov ‘15-Jan ‘16: First Public Review of Framework – COMPLETED**
 - **Spring-Summer ‘16: second public review**
 - **November 2016:** CA Science Framework Adoption
- **2017:** List of SBE-Adopted K–8 Science Instructional Materials
- **2018-19:** Anticipated Administration of NGSS Science Assessments (pilot test 2016-17, field test 2017-18, and operational testing 2018-19)



Changes in the Summative Assessment Assessment Design Model: Student & Group score

Segment A	Segment B	Segment C
student and group*	student and group*	Group score* only * gives comparable school data and district data
Broad sample of PEs Wide Breadth	Targeted Sampling Deep Measures	Broad and deep All GRADE SPAN PEs
All students assessed on same content standards	Selected DCIs will be selected based on performance	Matrix sampling
25-35 items	1-2 item sets	Still being determined (A or B approach)
Grade 5 PEs MS/HS all grade span PEs	Grade 5 PEs MS/HS all grade span PEs	All Grade Span PEs Elementary, MS, and HS



Highlighting the Contrast

The major movement of the plates and description of plate boundaries of the Earth are...

- A. Convergent
- B. Divergent
- C. Transform
- D. All of the Above

What is the student being asked to understand with this assessment?

- A. Draw a model of volcano formation at a hot spot using arrows to show movement in the model. Be sure to label all parts of your model.
- B. Use your model to explain what happens with the plate and what happens at the hot spot when a volcano forms.
- C. Draw a model to show the side view (cross-section) of volcano formation near a plate boundary (at a subduction zone or divergent boundary). Be sure to label all parts of your model.
- D. Use your model to explain what happens when a volcano forms near a plate boundary.



New Assessment

Produce scientific **writing that communicates how multiple lines of evidence, such as similarities in DNA sequences and anatomical structures, contribute to the strength of science theories related to biological evolution.**

Science & Engineering Practice: Engaging in Argument from Evidence, Communicating Information

Crosscutting Concept: Patterns, Cause & Effect

Disciplinary Core Idea: Biological Evolution

