



Next Generation Science Standards* in Achievement Series and Performance Series

An increasing emphasis on STEM (Science, Technology, Engineering, and Math) means educational standards must keep pace. Scantron's Next Generation Science Standards items, available in Achievement Series item banks and in Performance Series adaptive tests, can help measure these critical skills.

Scantron provides items written to assess the Next Generation Science Standards* (NGSS) in grades 3–8 in Performance Series and K–12 in Achievement Series, covering topics in earth science, physical science, life science, and engineering design. All four strands are assessed at each grade level.

Scantron's in-house experts developed these items based on information from NGSS performance expectations, science and engineering practices, disciplinary core ideas, and crosscutting concepts. A minimum of five editors reviewed each item for content appropriateness and bias. In addition, editors paid careful attention to both the reading level and contextual appropriateness of each question.

While items were based on NGSS, schools that have yet to adopt the standards will find that the items are relevant to their course materials.

Demonstrate Grade-Level Proficiency with Achievement Series

An effective assessment strategy includes tests that measure proficiency at a specific point in time for each grade level, such as the end of each unit or learning module or at the end of a term.

Achievement Series NGSS items, available as a standalone item bank and in many of our item bank packages, make it easy to measure skills covered by NGSS standards.

Track Attainment of Skills Over Time with Performance Series

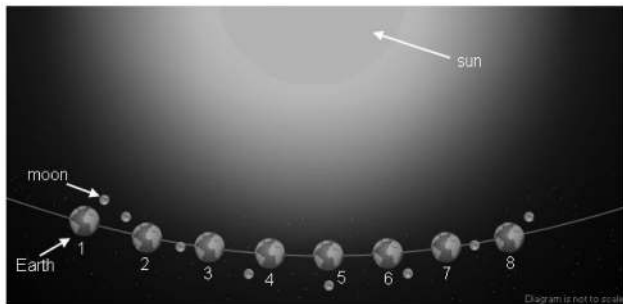
Traditional standardized assessments focus on standards for one grade level at a time, making it challenging to determine a student's overall performance or to focus on that student's needs.

Performance Series NGSS items provide students with assessments tailored to their proficiencies in the covered subject areas.

- The online assessment adjusts automatically to each student's ability level, generating more difficult questions if the student is answering correctly and easier questions if the student is answering incorrectly.
- Results connect to standards documents at the skill level, providing better detail to guide instructional adjustments and personalization.

The result is a valid and reliable scaled score you can use to measure academic growth over time.

The diagram below shows the position of Earth and the moon during the eight lunar phases.

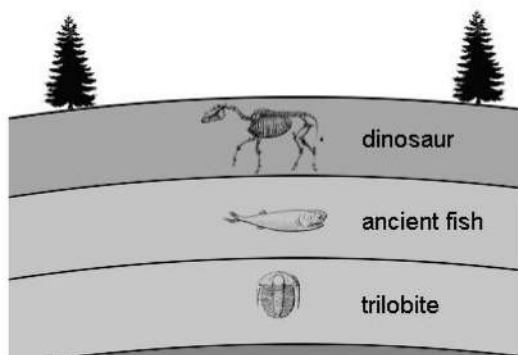


At which point is Earth experiencing a last quarter moon?

- A. point 1
- B. point 3
- ✓ C. point 7
- D. point 8



Trilobite fossils are found in deeper layers of rock than dinosaur fossils.



What is most likely true about trilobites and dinosaurs?

- A. Trilobites lived before dinosaurs.
- B. Dinosaurs lived before any other species.
- C. Trilobites lived in rocky environments.
- D. Dinosaurs were more common than trilobites.

Harry has an unknown solid substance in his lab. It is white and odorless. It does not dissolve when it is placed in water. Harry created the table below to compare common items found in the lab.

Substance	Color	Odor	Dissolves Easily in Water?
Baking Soda	white	none	yes
Talc	white	none	no
Sulfur	yellow	yes	no
Cinnamon	brown	yes	no

Based on this information, which of the following is most likely the solid in his lab?

- A. baking soda
- B. talc
- C. sulfur
- D. cinnamon

Connect Assessment Results with Instructional Resources for Science

Use results from NGSS items in Achievement Series and Performance Series (when available) with Scantron's instructional resources partners:

- **netTrekker® Search** directly connects educators to resources aligned to children's needs as revealed by NGSS results using either Achievement Series or Performance Series. Save valuable time locating fun, web-based instructional resources.
- Based on Performance Series results, **Edgenuity® and Classworks® solutions** automatically generate individual learning paths using award-winning content—no importing or data manipulation required. Use these paths with students as generated, or modify the paths to complement your instructional plans. Spend less time generating lesson plans and more time interacting with students.



**INFORM INSTRUCTION
TO IMPACT STUDENT
ACHIEVEMENT TODAY!**

For a free consultation to meet your academic goals, call **800.722.6876** or visit us at **www.scantron.com/k12** to learn more.

About Us

Scantron® provides a comprehensive set of solutions that help improve student outcomes in K-12 education. We offer software and services to meet the needs of customers' assessment programs regardless of where they are on the technology spectrum—pure paper, pure online, or anywhere in between.