**Probes to understand student thinking**

Useful materials to begin a science lesson with. These make excellent activities for the Exploration part of a science Learning Cycle lesson plan. Go to **Browse by Topic** below. See sample lesson plans. NSTA book materials also available.

**NSTA**

Understand Student Thinking & Transform Your Teaching with Easy-To-Use Digital Diagnostic Tools

Probes are intrinsically interesting questions that reveal what *all*students are thinking, uncovering initial ideas and misconceptions about core concepts and familiar phenomena that students bring to their learning. Teachers can now access digital versions of the popular formative assessment probes found in the bestselling NSTA Press series [Uncovering Student Ideas](https://www.nsta.org/book-series/uncovering-student-ideas-science). Loaded with classroom-friendly features you can use immediately, each digital probe integrates with Google Classroom, includes interactive PDFs, and is available in both English and Spanish. The detailed Teacher Notes that accompany each probe include current research summaries, new instructional suggestions, and related NSTA resources.



* [**Probes**](https://www.nsta.org/uncovering-student-ideas-probes?utm_source=realmagnet&utm_medium=email&utm_term=Create%20Teachable%20Moments%20with%20Your%20Students%20Ideas&utm_campaign=011222DigitalProbes)

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[Lesson Plan](https://www.nsta.org/lesson-plan/greenhouse-effect)

[The Greenhouse Effect](https://www.nsta.org/lesson-plan/greenhouse-effect)

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