## Asking Questions

Elements of Student Performance **High School** 



Science & Engineering Practice 1

Addressing phenomena of the natural world or scientific theories
<ul> <li>Ask questions that arise from careful observation of phenomena, or unexpected results, to clarify and/or seek additional information.</li> <li>Ask questions that arise from examining models or a theory, to clarify and/or seek additional information and relationships.</li> <li>Ask questions that address the relevant disciplinary core idea and include the relevant crosscutting concept.</li> <li>Ask questions to determine relationships, including quantitative relationships, between independent and dependent variables.</li> </ul>
Ask and/or evaluate questions that challenge the premise(s) of an argument or the interpretation of a data set.
Evaluating empirical testability
Ask questions that can be investigated within the scope of the school laboratory, research facilities, or field (e.g., outdoor environment) with available resources. Evaluate a question to determine if it is testable and relevant. Frame a hypothesis based on a model or theory.

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