

Assessing in the 5E Model

“E”	Purpose	Example Assessments
Engage	<ul style="list-style-type: none"> -Initiate, introduce, and engage -Identify prior knowledge -Motivate and focus 	KWL, concept map, card sort task, memoir, brainstorming, interview, questionnaire, Venn diagram, science notebook, predicting, “scientist’ meeting, chart, observation, performance assessment
Explore	<ul style="list-style-type: none"> -Test prior knowledge -Provide common experiences -Actively explore environment 	Science notebook, conceptual cartoon, think-pair-share, drawing completion, predicting, demo memo, “scientists’ meeting,” chart, observation, performance assessment
Explain	<ul style="list-style-type: none"> -Student-developed explanations -Introduce formal terms and content -Help students describe prior knowledge in terms of actual scientific concepts 	Exit sheet, exit ticket, minute paper, discrepant event, concept test, making a model, making a claim, theory choice, meaningful paragraph, science notebook, KWL, labeled drawing, predicting, letter to the teacher or other audience
Elaborate	<ul style="list-style-type: none"> -Apply or extend concepts to new contexts -Develop deeper or broader understanding 	Application problem, pair problem solving, thought experiment, debate, writing and analyzing fiction, design activity, science notebook, identification game, team report, data table and graph, predicting
Evaluate	<ul style="list-style-type: none"> -Assess understanding as students Apply what they know/have learned to solve problems 	Poster, constructed response, presentation, comparison essay, final reflection, one=page memo, self-evaluation, scenario exam, concept mapping, Venn diagram, science notebook

Source: Adapted from Abell and Volkmann 2006.