

The 7E Instructional Model Used in Active Chemistry

The 7E Model	At the Activity Level (Features in Red)	At the Chapter Level (Features in Red)
Engage <ul style="list-style-type: none"> Motivate students Provide an anticipatory set 	What Do You See? cartoon What Do You Think? introductory discussion	Scenario Your Challenge
Elicit <ul style="list-style-type: none"> Elicit prior knowledge Uncover misconceptions 	What Do You See? What Do You Think?	Criteria Initial discussion of rubric
Explore <ul style="list-style-type: none"> Observe the physical and natural world Provide a common experience Participate in a laboratory investigation 	Investigate	Reflecting on the Activity and the Challenge Preparing for the Chapter Challenge
Explain <ul style="list-style-type: none"> Make sense of laboratory data Provide opportunity for students to articulate concepts Learning guided by the teacher 	Chem Talk Chem Words Student explanations of their observations and data Teacher explanation of how chemists view these topics	Chapter Challenge Chapter Assessment Completion of the Chapter Challenge including required written materials
Elaborate <ul style="list-style-type: none"> Further discussion and generalization of concepts 	What Do You Think Now? Checking Up Chem Essential Questions Chem to Go Chem You Learned	Contributions above the requirements of the Chapter Challenge Chem at Work
Extend <ul style="list-style-type: none"> Transfer of learning to new domains 	Reflecting on the Activity and the Challenge Preparing for the Chapter Challenge Inquiring Further	Chapter Challenge presentation Chapter Assessment of other teams projects
Evaluate <ul style="list-style-type: none"> Assess what students know and are able to do 	Formative evaluation throughout the activity Lab reports Quizzes Chem to Go homework	Chapter Mini-Challenge Chapter Assessment Traditional Chapter Exam

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