

Chemistry On!:

NGSS* Activities for 3-D and Phenomena-Based Learning

Use the table below to record the science and engineering practices (SEPs) and crosscutting concepts (CCCs) you employed during the workshop activities.

SEPs	Beaker Freezer	Mystery Chemical Reactions	Balancing Chemical Equations	Petri Dish Electrolysis
Asking Questions and Defining Problems				
Developing and Using Models				
Planning and Carrying Out Investigations				
Analyzing and Interpreting Data				
Using Mathematics and Computational Thinking				
Constructing Explanations and Designing Solutions				
Engaging in Argument from Evidence				
Obtaining, Evaluating, and Communicating Information				

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Carolina Workshop Resource

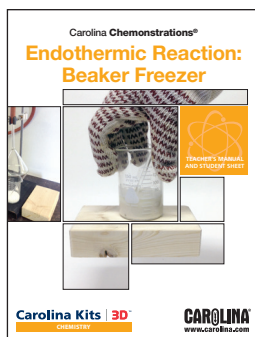
CCCs	Beaker Freezer	Mystery Chemical Reactions	Balancing Chemical Equations	Petri Dish Electrolysis
Patterns				
Cause and Effect: Mechanism and Explanation				
Scale, Proportion, and Quantity				
Systems and System Models				
Energy and Matter: Flows, Cycles, and Conservation				
Structure and Function				
Stability and Change				

Carolina Kits | 3D™ and NGSS Resources

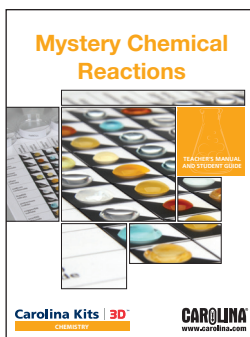
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Learning

View the kits at
www.carolina.com/3D

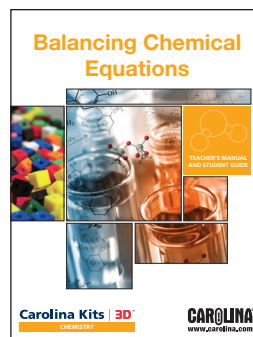
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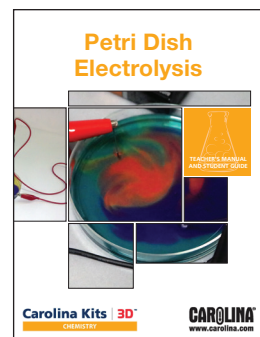
**Endothermic Reaction:
Beaker Freezer**
Item #840378



**Mystery Chemical
Reactions**
Item #840660



**Balancing Chemical
Equations**
Item #840656



**Balancing Petri Dish
Electrolysis**
Item #840830

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