



Mini-Map for SCI.EE.HS.PS1-2

Subject: Science

Physical

Grade: 9–12

Learning Outcome

DLM Essential Element	Grade-Level Standard
SCI.EE.HS.PS1-2 Make a claim supported by evidence to explain patterns of chemical properties that occur in a substance during a common chemical reaction (e.g., baking soda and vinegar).	HS-PS1-2 Construct and revise an explanation for the outcome of a simple chemical reaction based on the outermost electron states of atoms, trends in the periodic table, and knowledge of the patterns of chemical properties.

Linkage Level Descriptions

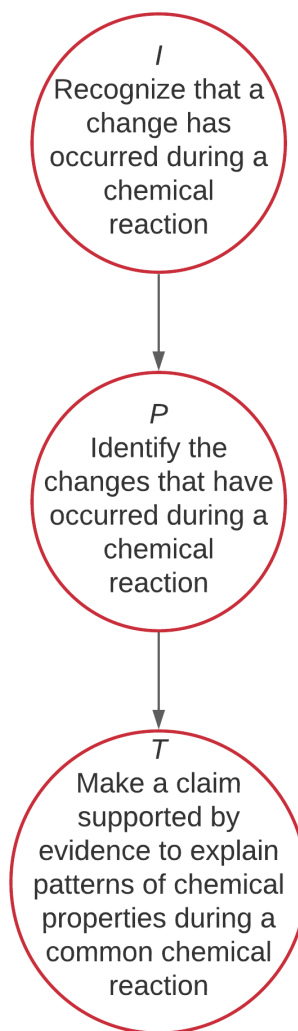
Initial	Precursor	Target
Recognize that a change has occurred during a chemical reaction (e.g., rust, baking soda and vinegar, burning).	Identify the changes that have occurred during a chemical reaction (e.g., metal rusting, paper burning, baking soda and vinegar reacting).	Make a claim supported by evidence to explain patterns of chemical properties (e.g., solubility in water, substances it reacts with, flammability, conductivity, melting point, boiling point) that occur in a substance during a common chemical reaction (e.g., baking soda and vinegar, rusting, burning).

Instructional Resources

Linkage Level	Instructional Activities
Initial/Precursor/Target	N/A
Connections	
Science and Engineering Practices	Constructing Explanations and Designing Solutions
Crosscutting Concepts	Patterns
Released Testlets	
See the Guide to Practice Activities and Released Testlets .	

[Link to Text-Only Map](#)

SCI.EE.HS.PS1-2 Make a claim supported by evidence to explain patterns of chemical properties that occur in a substance during a common chemical reaction (e.g., baking soda and vinegar).



Map Key	
I	Initial
P	Precursor
T	Target