

Legends of Learning – React Lab

Take your time: You cannot move backwards in the slides.

1. What are rearranged in chemical reactions? _____
2. What are 3 properties that can change? _____

Answer the following questions for the reaction puzzles Dan must solve:

Melting ice:

Word equation: _____

Indicator of a chemical change: _____



React Lab

Crossing deep water:

What is the gas produced in the reaction? _____

Bridge crossing:

Which charge for iron is used in the reaction? _____

Show how you know?

Indicator of a chemical change: _____

Odors:

Which product do you think is responsible for the smell? _____. Why do you think so?

Indicator of a chemical change: _____

Motor lock:

Is methane a covalent or ionic compound? _____. How do you know? _____

Indicator of a chemical change: _____

Hungry:

What is the polyatomic ion in baking powder? _____

Based on the formulas of the reactants, what elements are found in cake? _____

Indicators of a chemical change: _____

Laser detector:

What colours are the reactants? _____

Indicator of a chemical change: _____

One of the reactants was blue and so was the product: How is this a chemical change?