

Bellringer 43

The Origin of Life

3. Observing changes to the color or state of matter of a substance, or observing the creation of heat or light, can serve as evidence that a chemical reaction has occurred.

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1. What evidence might indicate that the student in this photo created a chemical reaction?
2. Is more than one potential chemical reaction evident in the photo? What chemical reactions might not be visible to you?
3. How is it possible to determine that a chemical reaction has occurred without having seen it happen?

1. The chemicals involved might change in state of matter, color, or texture to indicate a reaction has occurred.
2. The student's body is continually undergoing chemical reactions, such as respiration and metabolism.