

Name _____

How Can You Tell If a Chemical Reaction Has Occurred?

Short Answer Key

1. An example of a chemical reaction that results in a change of color is mixing red cabbage juice with lemon juice, which turns the solution from purple to red.
2. A chemical reaction that produces a noticeable change in temperature is the combustion of a matchstick, where heat and a flame are produced.
3. The smell of freshly baked goods indicates chemical reactions happening as the dough rises, and sugars and proteins undergo browning reactions, producing delicious aromas.
4. Mixing silver nitrate and sodium chloride solutions forms a precipitate of solid silver chloride.
5. Chemiluminescence plays a role in everyday life through glow sticks, where the chemical reaction between substances in the stick produces light.

