

Name _____

Everyday Examples of Chemical Reactions

Short Answer Key

1. Yeast consumes sugar and releases carbon dioxide gas, causing the dough to rise.
2. The Maillard reaction is a chemical reaction that occurs when amino acids and sugars react at high temperatures, giving fried foods their crispy texture and rich flavor.
3. The vibrant colors of leaves during the fall result from the breakdown of chlorophyll and the revelation of other pigments, such as carotenoids and anthocyanins.
4. Corrosion occurs when iron comes into contact with water and oxygen, forming iron oxide (rust). It can be problematic for metal objects as it weakens their structure and appearance.
5. Examples of kitchen ingredients that are considered acids and bases include vinegar (acid) and baking soda (base). Vinegar adds tanginess, while baking soda helps with rising in recipes.

