Evidence of Chemical Reactions

1. Change

A color change is often a sign that a has occurred.

* For example, in fall, the chlorophyll in leaves breaks down and the color of the leaves change.

2.

 When a forms from a solution during a chemical reaction this is called a precipitate.

* The presence of a precipitate is a sign that a chemical reaction has occurred.

3. Production

 Any time a gas is produced (hint: bubbles) a chemical has occurred.

* Boiling water to produce a gas does not count as a chemical reaction.

4. Changes in

 An or in temperature signals an exchange and therefore indicates a chemical reaction has occurred.

 More about Temperature…

* A reaction that **releases** energy in the form of heat is called an

 reaction.

* A reaction that **absorbs** energy and becomes cooler is called an

 reaction.

5. Changes in

 The properties of the substances might change.

* For example, when you bake a croissant it becomes light and flaky.