Chemical and Physical change

By: Emi Colbridge

5K

Mixture vs. Compound

A Mixture is two or more elements mixed together to form a substance that is not completely mixed. An example of a mixture is trail mix, because trail mix is things mixed together to form an easily seperatable mixture. A Compound is two or more elements joined by chemical bonds. Water is an example of a compound is water, because water is hydrogen and oxygen mixed together permanently.

Homogeneous vs. Heterogeneous

A homogenous mixture has the same uniform appearance and composition throughout. Homogenous mixtures are mostly referred to as solutions. A Heterogeneous mixture is a mixture that composes of components that aren't uniform or they have localized regions that all have different properties.

Chemical vs. Physical Change

A Chemical change is when the properties of a substance change, turning into something new. An example of a Chemical change is cooking a pancake. A Physical Change is when a substance is changed by molding, breaking, etc. and does not change the properties inside. And example of a Physical Change is cracking an egg.

Chemical Change Pic-Collage

Physical Change Pic-Collage

Why does this matter?

All of this Science material matters because it teaches you how things can change Chemically, and how things change physically. This helps you understand how some things work in life, like baking a cake or making a clay statue. If you know these things, it can help you learn more so you can understand life more than you already do.

References

The references I used were Google definitions. The links didn't work, so I just posted the Google link for you to search yourself. (I put what to search next to the topic.)

Google- **https://www.google.com/**

Homogenous Mixture- Homogenous Science definition

Heterogeneous Mixture- Heterogeneous Science Definition

Mixture- Mixture Science Definition

Compound- Compound Science Definition