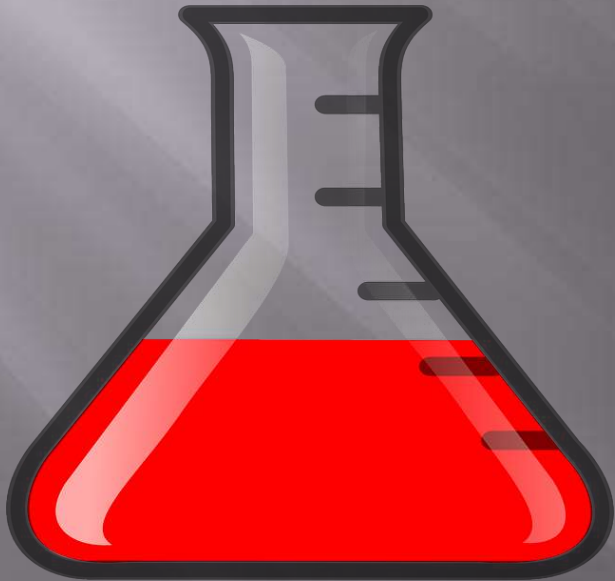
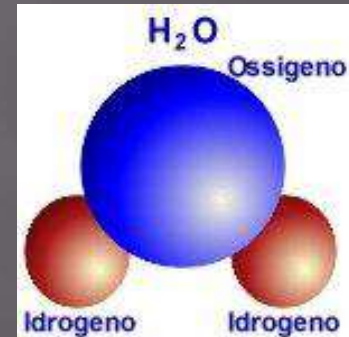


COOL SCIENCE

By: Tanay Pingle



Mixture vs. Compound



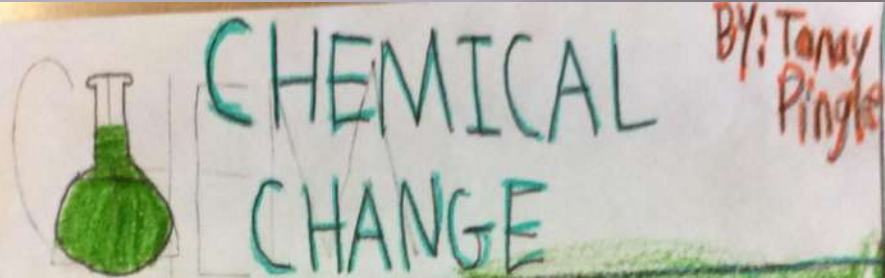
- Do you know what mixtures and compounds are? Mixtures are substances created when substances are physically combined. Compounds are substances created when substances are chemically combined. There are many differences between them. One difference is that compounds get new properties and mixtures keep their original properties. Another difference is that mixtures are physically combined and compounds are chemically combined. An example of a mixture is trail mix and an example of a compound is water. Those are two differences between mixtures and compounds and one example of each.

Homogeneous vs. Heterogeneous



- ▣ There are actually two different types of mixtures called homogeneous and heterogeneous mixtures. A homogeneous mixture is a mixture that is completely blended and a heterogeneous mixture is a mixture that is partly blended. Even though they are both mixtures, they are different in many ways. Here are two of them. The first one is that homogeneous mixtures are the same everywhere but heterogeneous mixtures are speckled and opaque. The second difference is that homogeneous mixtures will not settle into layers but heterogeneous mixtures will. An example of a homogeneous mixture is air and an example of a heterogeneous mixture is a rock. Those are two differences between homogeneous and heterogeneous mixtures and an example of each.

Chemical vs. Physical Change

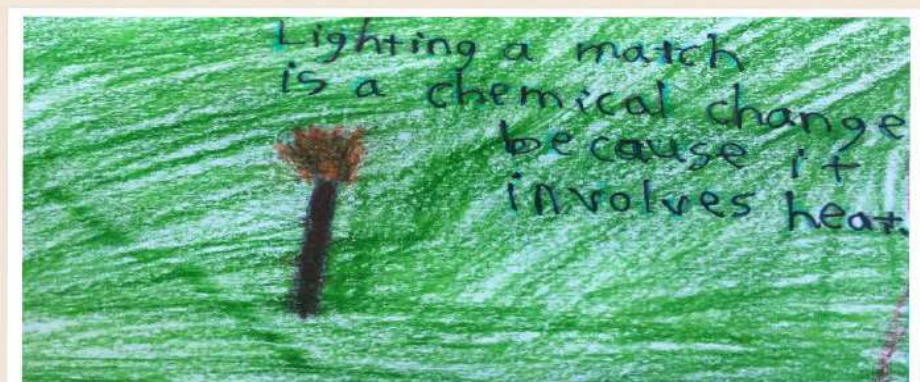


Chemical change is a change that occurs when the atoms of different items link together. You can tell that something is a chemical change if there is a color change or a formation of bubbles.

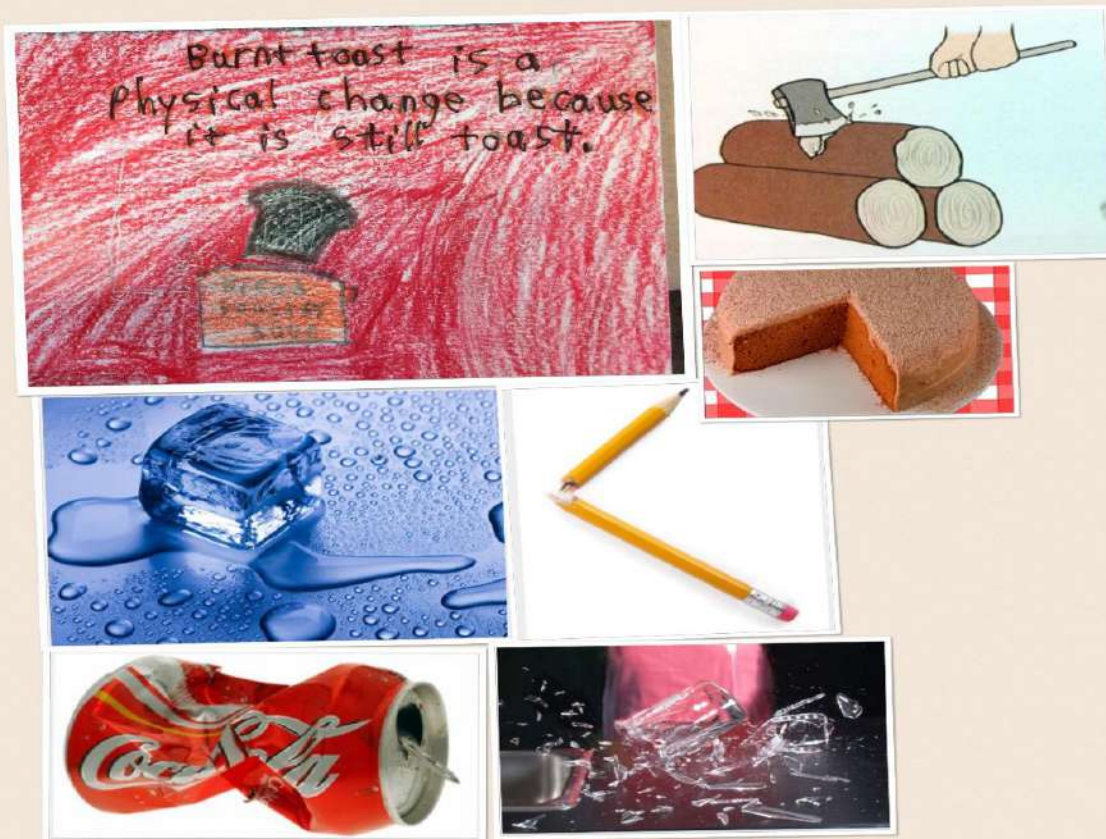
PHYSICAL CHANGE

Physical change is a change that changes the matter is size, shape, or state. You can tell if something is a physical change if it has the original properties of the substances combined to make the solution.

Chemical Change Pic-Collage



Physical Change Pic-Collage



Why does this matter?

- ▣ The information that this PowerPoint tells you is important because you need to know this stuff in college. There are two other reasons why this info is important. The first reason is that this stuff is important in cooking. The second reason is that it is essential in chemistry. That is why all this info is important.

References

- ▣ Google Search
- ▣ Daniel, L., Hackett, J., Moyer, R., & Vasquez, J. (2006) *Science*. New York: Macmillan/McGraw-Hill.
- ▣ Clipart