

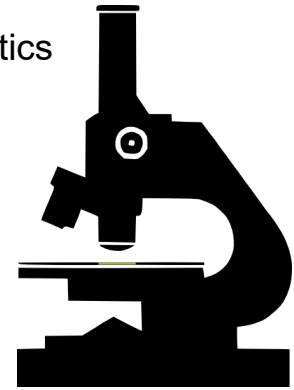
What is a mixture?

307-1

Anything that is made of 2 or more materials and has at least 2 distinct sets of properties.



characteristics



Mechanical Mixtures

Materials such as pizza, salad, and pop all have easily identifiable properties with the unaided eye.

When Mixtures can be identified this easily they are called **Mechanical Mixtures**

Properties means do they have the exact same color, texture, shininess in all parts of the mixture.

What Other Mechanical Mixtures can you Identify?

1)

2)

3)

Even homogenized milk, we found out is heterogeneous mixture.

Homogenous Mixtures

Sept. 20

A Homogenous mixtures is called a solution.


They are everywhere the earth is surrounded by them.

To be considered a solution the combination of materials must be the same.

<https://www.youtube.com/watch?v=t0iHbY9sjDc>

Video:

6 min



Mixtures - Class 9 Tutorial

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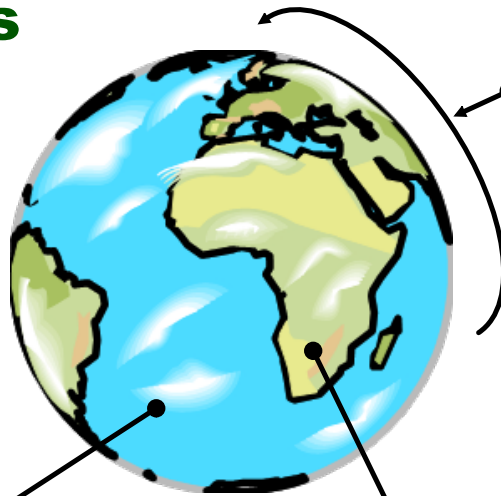
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A mixture is a substance made by combining two or more different materials in such a way that no chemical reaction occurs. A mixture can usually be separated back into its original components.

Solutions of the Earth.



Earth is surrounded by a gas solution we call air. A homogenous mixture of oxygen, nitrogen and other gases.

two thirds of the earth is a liquid solution; salty water of oceans).

Solid solutions such as sterling silver which is a mixture of silver and copper.

You are examining a glass that contains a liquid. You think the glass contains a mixture of water and salt. Your lab partner thinks the glass contains pure water. How can you find out who is correct, without tasting the liquid?

Recall

A Homogenous mixtures is called a solution.

Add to your notes

- Solutions have properties that blend together. This depends on how much of one material and how much of the other material are in the mixture.

ex) Salt in water will mix so that the salt will disappear and cannot be seen (As long as you have lots of water) Ice tea, Kool-aid...