

Name:

Date:

Period:

All About Mixtures Webquest

In this web quest, you will explore the properties of mixtures. You will also learn about the differences between the various types of mixtures.

First, watch this video and answer the questions below:

<https://www.youtube.com/watch?v=8YqoXL9MrA4>

1. In which type of mixture can you see the different parts?

homogeneous

heterogeneous

2. What type of solution looks like it is made of one thing?

homogeneous

heterogenous

3. What is an example of an aqueous solution?

soda, saltwater, acid solutions

NEXT, Go to: https://www.ducksters.com/science/chemistry/chemical_mixtures.php

Follow the headings below and answer the questions that follow.

1. Underneath the main title, "Chemical Mixtures", read the paragraph. DESCRIBE how chemical mixtures are formed.

they are formed by combining different substances together and bonding

I. Mixtures

1. What are the three properties of a mixture?

three properties are solutions, suspensions, and collides

2. What are the two main types of mixtures?

homogeneous mixture and heterogeneous mixture

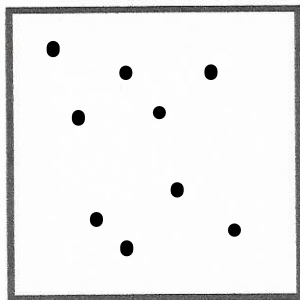
3. What are two examples of a heterogeneous mixture?

sugar, sand,

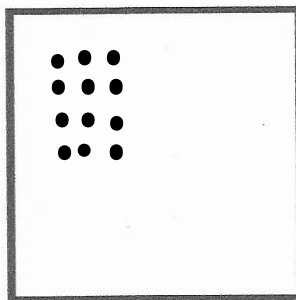
4. What are two examples of a homogeneous mixture?

sea water, steel

DRAW A MODEL OF EACH TYPE OF MIXTURE IN THE BOXES BELOW.



homogeneous
mixture



heterogeneous
mixture

II. SOLUTIONS

1. What type of mixture is a solution? homogeneous mixture
2. What are the two parts of a solution?
Aqueous solution and Non-aqueous solution
3. One example of a solution is sugar dissolved in water.
4. How can saltwater be separated?
simple distillation

III. SUSPENSIONS

1. What type of mixture is a suspension? mixture between a liquid and particles of a solid
2. What is the difference between a suspension and a solution?
the particle sizes involved
3. What is a key characteristic of a suspension?
that the solid particles will settle and separate over time if left alone
4. What is one example of a suspension?
mixture of chalk and water