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**Chemical Reactions Soap Making  
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Slowly, a chemical reaction called saponification would take place between the fat and the hydroxide which resulted in a liquid soap. When the fat and water no longer separated, the mixture was

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allowed to cool. At this point salt, such as sodium chloride, was added to separate the soap from the excess water.

## **12: Making Soap - Saponification (Experiment) - Chemistry ...**

the chemical equation is water + soap=[whatever you get for the

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experiment. jessyjjd What is the chemical equation for soap with NaCl? A mixture has not a chemical formula or equation.

## **What is the chemical equation of soap making? - Answers**

Saponification is the chemical reaction that makes soap. Zara Ronchi / Getty

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Images. While the one-step triglyceride reaction with lye is most frequently used, there is also a two-step saponification reaction. In the two-step reaction, steam hydrolysis of the triglyceride yields carboxylic acid (rather than its salt) and glycerol.

### **Saponification Definition and**



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## **Reaction**

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Making Soap – The Saponification Reaction. Soap is made from reacting a fat or oil (or a mixture) with a strong base (something with very high pH). The chemical structures of fats and oils generally look like this: The left hand side (purple) is always the same – it's based on a glycerin (aka glycerol)

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molecule.

**Make Your Own Soap! Part 1: The Chemistry Behind Soap ...**

The reaction for soap production is called saponification. It is basically a base hydrolysis of fats and oils which are chemically called as tryglycerides. The reaction produces carboxylic acid salts

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, which is the soap, and glycerol. For coconut oil, the resulting soap contains mainly the salt of lauric acid and some of myristic acid.

### **What is the chemical reaction involved in the production ...**

Sodium hydroxide is used to make solid soaps. Potassium hydroxide is used to

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make liquid soaps. If the soap is actually a detergent, there are a vast number of chemicals that can be used to make it.

### **What chemical is used to make soap? - Answers**

One of the organic chemical reactions known to ancient man was the preparation of soaps through a reaction

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called saponification. Natural soaps are sodium or potassium salts of fatty acids, originally made by boiling lard or other animal fat together with lye or potash (potassium hydroxide).

## **How Saponification Makes Soap - ThoughtCo**

The saponification reaction is

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exothermic in nature, because heat is liberated during the process. The soap formed remains in suspension form in the mixture. Soap is precipitated as a solid from the suspension by adding common salt to the suspension. This process is called Salting out of Soap.

Types of Soap

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## **Saponification-The process of Making Soap (Theory) : Class ...**

Saponification is at the heart of soap-making. It is the chemical reaction in which the building blocks of fats and oils (triglycerides) react with lye to form soap. Saponification literally means "turning into soap" from the root word, *sapo*, which is Latin for soap. The

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products of the saponification reaction are glycerin and soap.

## **Saponification in the Soap Making Process**

Simply making the soap easily fits in a 45-minute period. I found the basic recipe from the blog “Reflections of a Science Teacher” 1, but I wanted to



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share how I have modified this procedure and other tips/tricks. I also provide students with background from a hot-process soap-making lab at Michigan State University 2.

### **Soap Making | Chemical Education Xchange**

The time it takes soap to saponify differs

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based on the soap making method used. There are two main processes, the cold process, and the hot process. Re-milling soap and the melt and pour process are two other ways to "make" soap, but they aren't legit, they are like buying a cheap guitar and swapping out the pickups for a better sound, it doesn't make you a luthier.

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**Saponification = Chemical reaction  
for hot/cold process ...**

(c) a chemical reaction between dirt and soap (d) a chemical reaction of fat and dirt. 3. Soaps are precipitated by salting it out with saturated (a) sodium carbonate (b) sodium chloride (c) sodium hydroxide . (d) sodium

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bicarbonate. 4. Saponification is the hydrolysis of an ester under basic conditions to form a salt of carboxylic acid and (a ...

## **NCERT Class 10 Science Lab Manual - Soap Preparation ...**

Soap from Fat? 29 Lesson 5 - How Are  
Fat and Soap Different? 39 Lesson 6 -

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What Happens to Properties When I  
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Mixture Different from a Chemical  
Reaction? 87

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## **HOW CAN I MAKE NEW STUFF FROM OLD STUFF?**

Soaps are produced during the chemical reaction known as saponification.

Saponification is the reaction between a fat or oil and a base, producing glycerol and a salt (soap) fat or oil + base...

**what is saponification? what are the**

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Soap scum - Wikipedia. Soap scum or lime soap is the white solid composed of calcium stearate, magnesium stearate, and similar alkali metal derivatives of fatty acids. These materials result from the addition of soap and other anionic surfactants to hard water. Hard water contains calcium and magnesium ions,

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which react with the surfactant anion to give these metallic or lime soaps.

## **soap chemical reaction equation - wilcowedesign.nl**

This reaction is most commonly used to make soap products. The two important players in this reaction are an ester and alkali , which is a fancy term for base



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that dissolves in solution, producing ...

## Experiment

### **Saponification: Definition, Process & Reaction - Video ...**

Soap is a chemical reaction between sodium hydroxide (NaOH) or potassium hydroxide (KOH), a liquid (usually water, tea or milk) and fats or oils. If you want a bar soap, you use the NaOH and if you

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want a liquid soap, the KOH. Here is a general outline: You create a lye solution with the sodium hydroxide and the liquid. Melt the fats and oils.

### **what ingredient causes home-made soap to have a chemical ...**

Vitamin E that used in soap making could be in capsule form or in liquid form

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as in oil form. 10. Formalin. Due to this chemical harm most of liquid soap do not longer include this chemical in their making process. This chemical has been replace with some better chemical such as Citric acid, Benzoid acid and Sodium benzonate.

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