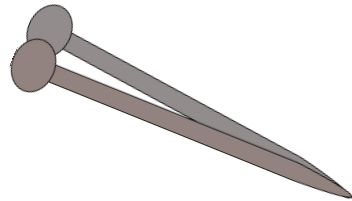


# *Rusty Nails*

## **Need:**

5 Steel Nails  
5 Cups  
Water  
Vinegar  
Lemon Juice  
Salted Water

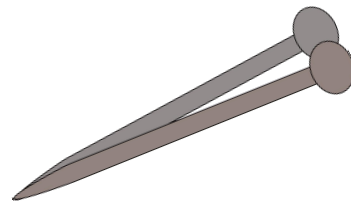


## **How to:**

Prepare your cups as follows:

## **Cups:**

1 - Control (Add nothing)  
2 - Water  
3 - Salted Water  
4 - Lemon Juice  
5 - Vinegar



Submerge your nail in the liquid (except cup 1)  
Leave underestimated and check every day for 7 days

## **Questions:**

Which nails rusted?

Which rusted first?

Did some rust quicker than others?

Did any not rust?

What part of the nail rusted first?

## **What is rust?**

Rusting is the oxidation of metal

## **What is oxidation of metal?**

Oxidization is when the oxygen in the air and metal combines to form a new compound called a metal oxide.

