

# Rusting of Iron

## Equipment:

rusty piece of rail

## Safety:

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## Demonstration:

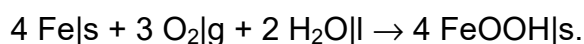
The rusty piece of rail is demonstrated or passed around.

## Obervation:

The rust is easily recognizable due to its reddish-brown color.

## Explanation:

Rust is the corrosion product formed on iron or steel by reaction with oxygen in the presence of water. From a chemical point of view, rust consists of hydrous iron oxides of varying composition. In a simplified way, the formation of rust can be described by the following conversion formula:



Rusting of a piece of iron in humid air takes about 10 years.

## Disposal:

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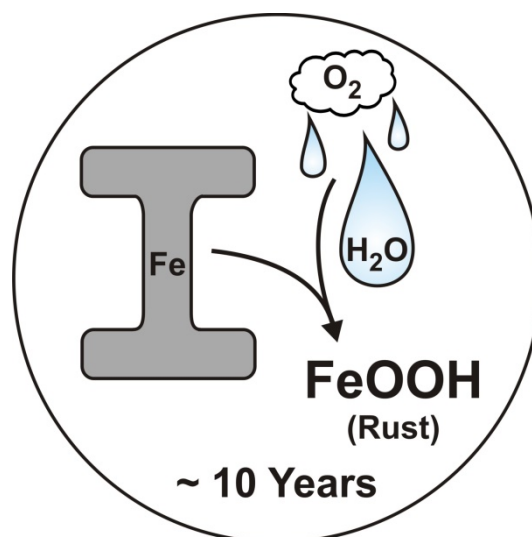


Photo: pxhere.com