

Name:

Class:



Complete the equation below for the reaction between iron and hydrochloric acid.

iron + hydrochloric acid $\rightarrow$ + ...

What two conditions are needed for rusting to occur?

1.

2.

What method of separation can be used to separate two liquids with different boiling points?

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What is an ionic compound?

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What is a covalent compound?

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A student measured the pH of different soils.

Tick one box in each row to show if each soil is acidic, neutral or alkaline.

Soil	pH of soil	acidic	neutral	alkaline
A	4.5			
B	5.5			
C	6.3			
D	7.0			
E	7.8			

Describe a test to show that a gas is ammonia.

.....

.....

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Describe a test to show that a gas is chlorine.

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.....

.....

Complete the following word equations.

copper + sulfuric acid $\rightarrow$

potassium hydroxide + hydrochloric acid $\rightarrow$

.....

What's the formula for the compound made from Ammonium ions (NH_4^+) and Sulfate ions (SO_4^{2-})?

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