

Acids and Alkalis Test Yourself 1

Word Search

Find the hazardous substances using green and the non-hazardous substances using blue.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d | h | c | a | e | l | b | k | t | r | l | g | s | o | e |
| i | e | a | w | e | u | h | l | e | y | o | t | a | v | x |
| c | o | t | e | s | u | s | i | h | f | l | i | t | t | a |
| a | e | s | o | e | e | c | m | b | s | h | h | y | i | r |
| y | o | i | u | w | o | e | s | o | m | s | e | s | e | a |
| r | e | n | a | e | l | c | t | e | l | i | o | t | o | h |
| e | n | d | r | f | s | l | a | m | t | r | s | i | t | a |
| t | l | n | y | r | n | m | m | e | o | a | i | n | a | e |
| t | d | s | l | t | a | e | h | n | p | g | d | o | t | s |
| a | t | i | e | i | b | u | u | h | s | e | e | s | a | r |
| b | o | e | r | n | o | r | t | a | w | n | a | d | a | i |
| s | b | d | i | t | s | o | r | s | n | i | n | u | w | a |
| i | o | v | s | a | o | a | f | t | t | v | s | f | s | k |
| j | o | e | c | t | y | a | n | t | h | e | a | m | e | h |
| r | e | n | a | e | l | c | n | i | a | r | d | r | d | i |

battery acid

bleach

drain cleaner

milk

toilet cleaner

toothpaste

vinegar

Name 2 acids you can eat or drink: _____

Name 2 foods that can be used to make indicators: _____

Name 2 acids used in science lessons: _____

Name 2 household alkalis: _____

Complete the Following

metal + acid \longrightarrow _____ + hydrogen

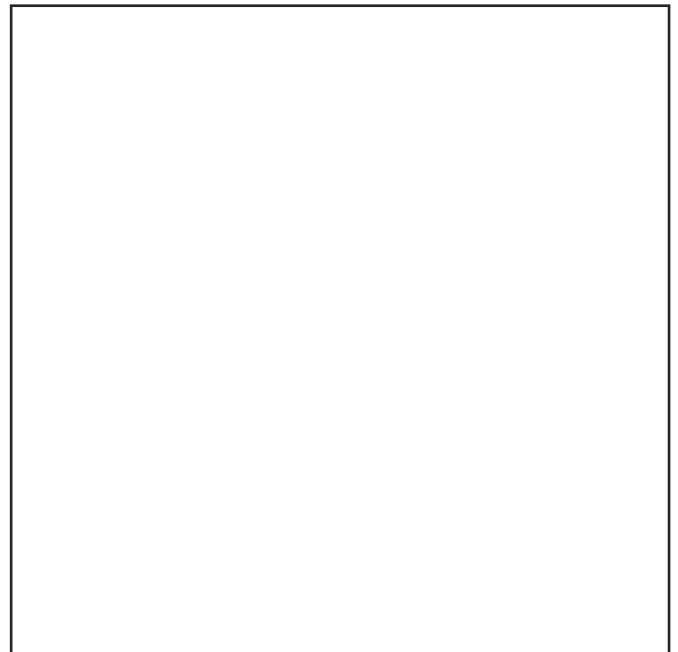
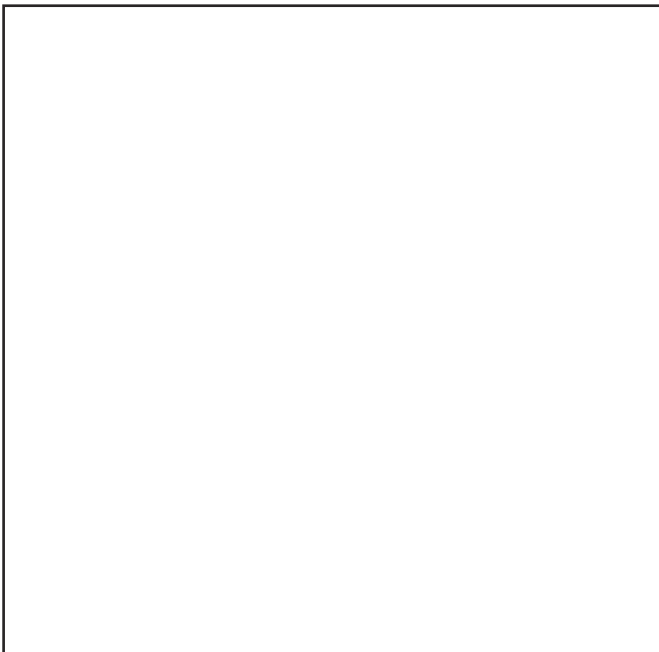
copper + hydrochloric acid \longrightarrow _____ + hydrogen

magnesium + sulfuric acid \longrightarrow _____ + hydrogen

lead + _____ \longrightarrow lead nitrate + hydrogen

Safety

In the boxes below, draw and label 2 hazard symbols that you might see on a bottle of acid.



Acids and Alkalis Test Yourself 1 Answers

Word Search

Find the hazardous substances using green and the non-hazardous substances using blue.

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|
| d | h | c | a | e | l | b | k | t | r | l | g | s | o | e | battery acid |
| i | e | a | w | e | u | h | . | e | y | o | t | a | v | x | bleach |
| c | o | t | e | s | u | s | . | h | f | l | i | t | t | a | |
| a | e | s | o | e | e | c | m | b | s | h | h | y | i | r | drain cleaner |
| y | o | i | u | w | o | e | s | o | m | s | e | s | e | a | milk |
| r | e | n | a | e | l | c | t | e | l | i | o | t | o | h | toilet cleaner |
| e | n | d | r | f | s | l | a | m | t | r | s | i | t | a | toothpaste |
| t | l | n | y | r | n | m | m | e | o | a | i | n | a | e | vinegar |
| t | d | s | l | t | a | e | h | n | p | g | d | o | t | s | |
| a | t | i | e | i | b | u | u | h | s | e | e | s | a | r | |
| b | o | e | r | n | o | r | t | a | w | n | a | d | a | i | |
| s | b | d | i | t | s | o | r | s | n | i | n | u | w | a | |
| i | o | v | s | a | o | a | f | t | t | v | s | f | s | k | |
| j | o | e | c | t | y | a | n | t | h | e | a | m | e | h | |
| r | e | n | a | e | l | c | n | i | a | r | d | r | d | i | |

Name 2 acids you can eat or drink: **lemonade, oranges, vinegar**

Name 2 foods that can be used to make indicators: **blackberries, red cabbage**

Name 2 acids used in science lessons: **hydrochloric acid, sulfuric acid and nitric acid**

Name 2 household alkalis: **bleach, toilet cleaner**

Complete the Following

metal + acid \longrightarrow **salt** + hydrogen

copper + hydrochloric acid \longrightarrow **copper chloride** + hydrogen

magnesium + sulfuric acid \longrightarrow **magnesium sulfate** + hydrogen

lead + **nitric acid** \longrightarrow lead nitrate + hydrogen

Safety

In the boxes below, draw and label 2 hazard symbols that you might see on a bottle of acid.



Corrosive



Hazardous