

Locations That Need Water Testing

**Location #1:
Cyprus Lake**



Residents have reported a strange odor coming from Cyprus Lake.

**Location #2:
Rosebud Creek**



Residents have reported that Rosebud Creek has a strange orange color in the water.

**Location #3:
Donald Pond**



Residents have reported seeing foam in the water in Donald Pond.

Chemical Reactions

Here are 3 signs that a chemical reaction has occurred.

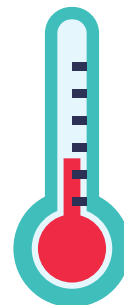
Sign #1:

Change in color



Sign #2:

Change in temperature



Sign #3:

Bubbles or gas



How to Test Water Samples

Step 1

Label 3 cups with a number on each cup (1,2,3). The numbers on the cups match the different places you are testing water.



Step 2

Put a specific liquid in each cup. The liquids represent the water samples you are testing. It is important to put the correct liquid in each cup.



**Add 1/2 cup
of vinegar**



**Add 1/2 cup
of water**



**Add 1/2 cup of oil
and 1/2 cup of water**

How to Test Water Samples

Step 3a

Get out Cup 1. Measure 1 Tablespoon of Indicator A. Put it in the cup. Watch what happens. Record your results.

Indicator A



Step 4

Get out Cup 2. Measure 1 Tablespoon of Indicator A. Put it in the cup. Watch what happens. Record your results.

Indicator A



Step 5

Get out Cup 3. Put Indicator B into the cup. Watch what happens. Record your results.

Indicator B



Name: _____

Recording Results

Write down observations
(there might not be any)

Do you think a chemical
reaction occurred? Write
yes or no

Is the water
contaminated? Write yes
or no

Cup 1

Cup 2

Cup 3

Name: _____

Recording Results- TEACHER KEY

Write down observations

**Do you think a chemical
reaction occurred? Write
yes or No**

**Is the water
contaminated? Write yes
or no**

Cup 1

When indicator was put
in, there was bubbling
and fizzing

yes

yes

Cup 2

Nothing happened when
indicator was put in

no

no

Cup 3

When indicator was put
in, there was bubbling
and fizzing

yes

yes

SAFETY NOTICE

**WATER IN THIS AREA IS
CONTAMINATED. DO NOT DRINK
UNTIL FURTHER NOTICE.**



Name: _____

Our Safety Notice

Make a sign that tells people which locations have contaminated water.