

Name:

Class:



Describe a test to show that a gas is oxygen.

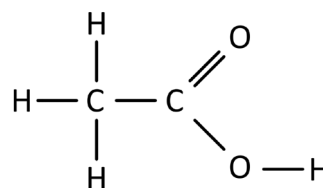
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Identify the following compound.



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Describe a test to show the presence of sulfate ions in a solution and state the positive result.

Test:

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Result:

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Aluminium oxide contains Aluminium ions, Al^{3+} , and oxide ions, O^{2-} .

What is the formula for aluminium oxide?

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What would be seen when butene is passed through bromine water?

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Steel is an alloy containing iron.

Complete the word equation for the corrosion of iron.

Iron + ... + ... $\rightarrow$

A student uses paper chromatography to separate and identify the dye chemicals in the soft drinks.

Here is the students chromatogram for one of the soft drinks.

She uses R_f values to identify the dye chemicals.Work out the R_f value of spot A.

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 $R_f =$ 