

## The identification of unknown compounds **C** and **D**

## Transcript

Watch the following tests and identify the cations and anions for the two unknown compounds: **C** and **D**.

First, compound **C** was added to a boiling-tube.

Then dilute acid was added.

The gas produced was tested with limewater.

Compound **C** was placed into a flame.

Can you identify compound **C** from these observations?

Compound **D** was dissolved in distilled water and divided into three equal portions.

The first solution of compound **D** was acidified with nitric acid and then reacted with silver nitrate.

To the second solution of compound **D**, aqueous sodium hydroxide was added.

And to the third solution of compound **D**, aqueous ammonia was added.

Here are the results from the tests with aqueous sodium hydroxide and aqueous ammonia.

Can you identify compound **D** from these observations?

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