

(Tests for anions (halides, sulfates, carbonates))

Q1. (2018)

The compounds in fireworks also contain non-metal ions.

A scientist tests a solution of the chemicals used in a firework.

Silver nitrate solution and dilute nitric acid are added to the solution.

A cream precipitate forms.

Which ion is shown to be present by the cream precipitate?

[1 mark]

Q2. (2018)

Describe a test to show the presence of sulfate ions in the solution.

Give the result of the test if there are sulfate ions in the solution.

[3 marks]

Test

Result

Q3. (2021)

Describe a test to identify the presence of sulfate ions in a solution of potash alum.

Give the result of the test.

[3 marks]

Test _____

Result _____

Q4. (2022)

Describe **one** test to show the presence of sulfate ions in copper sulfate solution.

Give the result of the test.

[2 marks]

Test _____

Result _____
