

GCSE Chemistry A (Gateway Science) J248/04 Chemistry A C4-C6 and C7 (Higher Tier)

Question Set 20

- 1 Chemical tests are used to identify gases, anions and cations.
 - · A student has an unknown solution.
 - She thinks that the solution contains copper(II) ions and bromide ions.

Describe the chemical tests she does to confirm the presence of these two ions in the solution.

[4]

Copper (I) ions = addition of NaOH, it Cu2+ is present a blue precipitate will born.

Bromide ions > addition of nitrie and, then cilian nitrate.

If a cream precipitate forms, Br is present.

Total Marks for Question Set 20: 4