

Chem!stry

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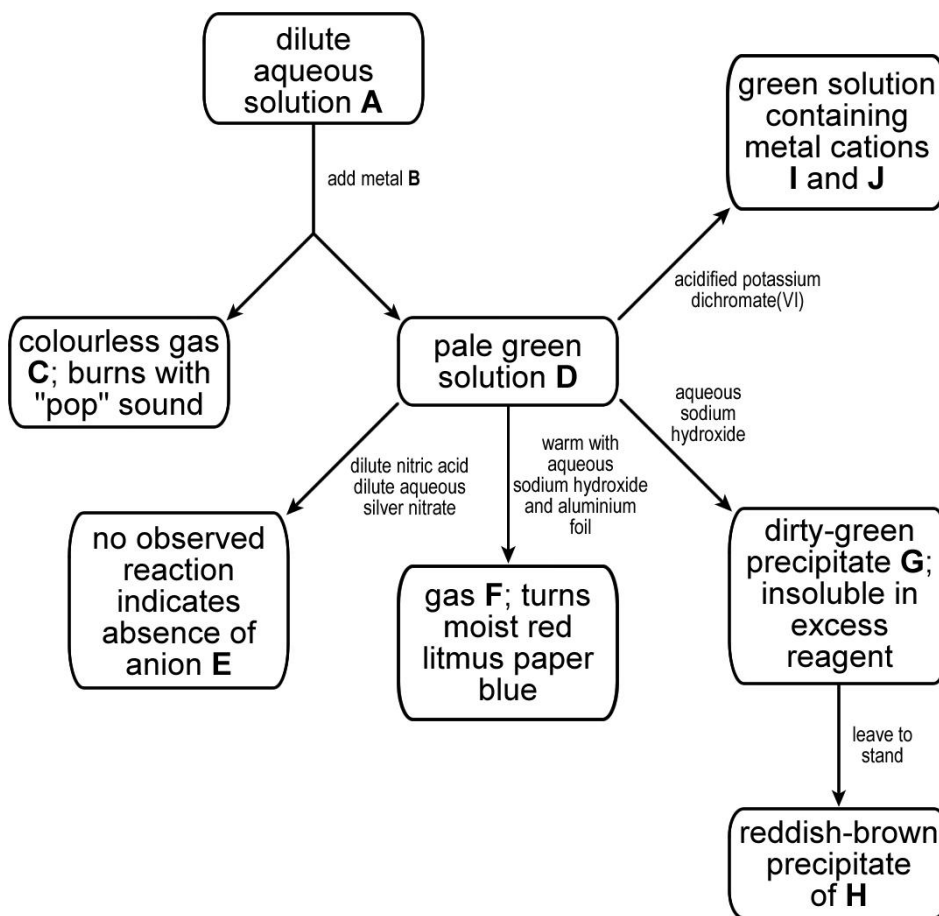
Class:

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Questions on Qualitative Analysis – Assignment 1

Question One:

Study the reaction sequence shown below:



a) Give the name and formula of the element, compound or ion:

- | | |
|---------|---------|
| A | B |
| C | D |
| E | F |
| G | H |
| I | J |

b) Write the balanced chemical equation for the formation of the dirty-green precipitate G:

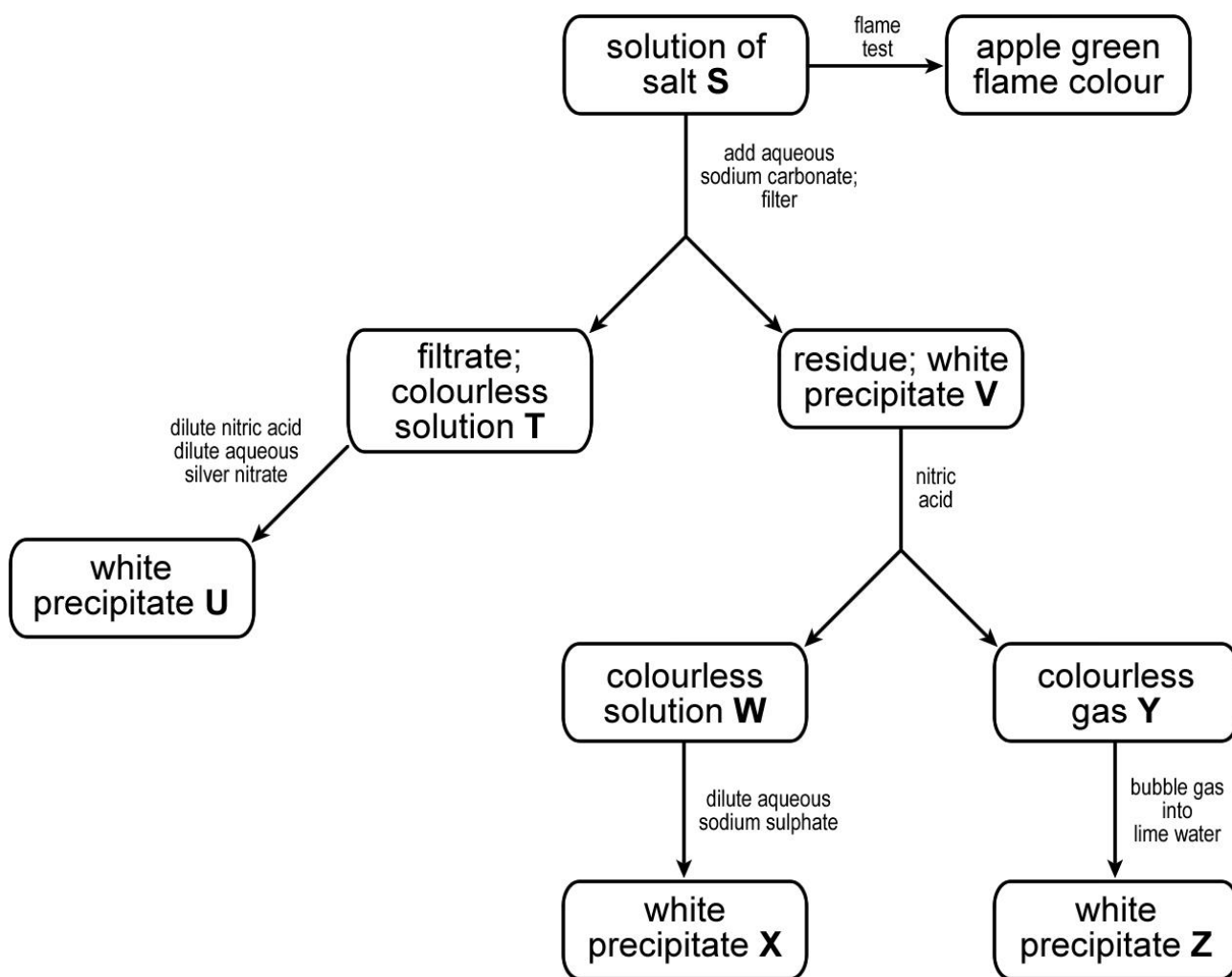
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c) Write the ionic half-equation that shows the dichromate(VI) ion functioning as an oxidising agent:

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Question Two:

Study the reaction sequence shown below:



a) Give the name and formula of the element, compound or ion:

- | | |
|---------|---------|
| S | T |
| U | V |
| W | X |
| Y | Z |

b) Write the balanced chemical equation for the formation of the white precipitate U:

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c) Write the balanced chemical equation for the formation of the white precipitate V:

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d) Write the ionic equation for the formation of the white precipitate X:

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e) Write the ionic equation for the formation of the colourless gas Y:

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f) Write the balanced chemical equation for the formation of the white precipitate Z:

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- Scan the QR code below for the answers to this assignment.



http://www.chemist.sg/qualitative_analysis/qa_assignment_1_ans.pdf