

01. 0620_s18_ms_61 Q: 4

<p>any 6 from one method:</p> <p>evaporation</p> <ul style="list-style-type: none"> <input type="checkbox"/> measured volume of water <input type="checkbox"/> using measuring cylinder / pipette / burette <input type="checkbox"/> heat to 40 °C / heat to >40 °C <input type="checkbox"/> add KCl until no more dissolves / add excess KCl <input type="checkbox"/> stir <input type="checkbox"/> filter mixture (if heated to >40 °C then need to cool and filter) <input type="checkbox"/> evaporate filtrate to <u>dryness</u> <input type="checkbox"/> weigh solid <p>mass not used</p> <ul style="list-style-type: none"> <input type="checkbox"/> measured volume of water <input type="checkbox"/> using measuring cylinder / pipette / burette <input type="checkbox"/> heat to 40 °C <input type="checkbox"/> add KCl until no more dissolves <input type="checkbox"/> stir <input type="checkbox"/> weigh KCl not added <input type="checkbox"/> weigh KCl before adding any to water – only awarded if weighed mass not used after <input type="checkbox"/> difference in mass of KCl is mass dissolved <p>mass undissolved</p> <ul style="list-style-type: none"> <input type="checkbox"/> measured volume of water <input type="checkbox"/> using measuring cylinder / pipette / burette <input type="checkbox"/> heat to 40 °C <input type="checkbox"/> stir <input type="checkbox"/> filter <input type="checkbox"/> weigh residue (do not award if residue washed) <input type="checkbox"/> add weighed (excess) KCl to water – only awarded if mass of residue measured <input type="checkbox"/> mass KCl dissolved = initial mass – final mass 	max 6
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02. 0620_w19_ms_61 Q: 4

<p>any 6 from:</p> <ul style="list-style-type: none"> <input type="checkbox"/> known volume of ethanol <input type="checkbox"/> add known <u>mass</u> of iodine <input type="checkbox"/> stir / shake <input type="checkbox"/> filter <input type="checkbox"/> dry and weigh (undissolved) iodine <input type="checkbox"/> repeat with hexane <input type="checkbox"/> conclusion 	max 6
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