





01. 0620\_s18\_ms\_61 Q: 4

<p>any 6 from one method:</p> <p>evaporation</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> measured volume of water</li> <li><input type="checkbox"/> using measuring cylinder / pipette / burette</li> <li><input type="checkbox"/> heat to 40 °C / heat to &gt;40 °C</li> <li><input type="checkbox"/> add KI until no more dissolves / add excess KI</li> <li><input type="checkbox"/> stir</li> <li><input type="checkbox"/> filter mixture (if heated to &gt;40 °C then need to cool and filter)</li> <li><input type="checkbox"/> evaporate filtrate to <u>dryness</u></li> <li><input type="checkbox"/> weigh solid</li> </ul> <p>mass not used</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> measured volume of water</li> <li><input type="checkbox"/> using measuring cylinder / pipette / burette</li> <li><input type="checkbox"/> heat to 40 °C</li> <li><input type="checkbox"/> add KI until no more dissolves</li> <li><input type="checkbox"/> stir</li> <li><input type="checkbox"/> weigh KI not added</li> <li><input type="checkbox"/> weigh KI before adding any to water – only awarded if weighed mass not used after</li> <li><input type="checkbox"/> difference in mass of KI is mass dissolved</li> </ul> <p>mass undissolved</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> measured volume of water</li> <li><input type="checkbox"/> using measuring cylinder / pipette / burette</li> <li><input type="checkbox"/> heat to 40 °C</li> <li><input type="checkbox"/> stir</li> <li><input type="checkbox"/> filter</li> <li><input type="checkbox"/> weigh residue (do not award if residue washed)</li> <li><input type="checkbox"/> add weighed (excess) KI to water – only awarded if mass of residue measured</li> <li><input type="checkbox"/> mass KI dissolved = initial mass – final mass</li> </ul>	<b>max 6</b>
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02. 0620\_w19\_ms\_61 Q: 4

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