

01. 0620\_m22\_ms\_62 Q: 3

Question	Answer	Marks
(a)	blue-green (flame)	1
(b)	(light/pale) blue precipitate	1
	dissolves / forms a solution	1
	deep(er) blue	1
(c)	cream precipitate	1
(d)	any pH in range 8 to 14	1
(e)	calcium / Ca <sup>2+</sup>	1
	hydroxide / OH <sup>-</sup>	1

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<p><b>Method 1</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Coat/paint glass slide(or any suitable inert material)</li> <li><input type="checkbox"/> With same amount / thickness of paint</li> <li><input type="checkbox"/> (leave to) dry</li> <li><input type="checkbox"/> Add controlled amount / drops of propanone</li> <li><input type="checkbox"/> Until paint / coating removed</li> <li><input type="checkbox"/> Count drops / measure volume</li> <li><input type="checkbox"/> Repeat with ethyl ethanoate</li> <li><input type="checkbox"/> Comparison / conclusion</li> </ul>	<b>Max 6</b>
<p><b>Method 2</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Weigh slides</li> <li><input type="checkbox"/> Add equal mass of paint to both</li> <li><input type="checkbox"/> Leave to dry</li> <li><input type="checkbox"/> Immerse each slide in 2 containers with each of solvents</li> <li><input type="checkbox"/> Fixed volume of solvent / excess solvent</li> <li><input type="checkbox"/> For set time interval / time</li> <li><input type="checkbox"/> Dry and reweigh slides / to dissolve</li> <li><input type="checkbox"/> Conclusion e.g. solvent causing greater mass loss is better or shortest time to dissolve is better</li> </ul>	<b>Max 6</b>