

<p><b>Paper 1 7405/1 Inorganic and Physical Chemistry</b></p> <ul style="list-style-type: none"> <li>• 3.1.12 Acids and bases</li> <li>• 3.1.2 Amount of substance</li> <li>• 3.2.5 Transition metals</li> <li>• 3.2.3 Group 7(17), the halogens</li> <li>• 3.1.1 Atomic structure</li> <li>• 3.1.3 Bonding</li> <li>• 3.1.10 Equilibrium constant <math>K_p</math> for homogeneous systems</li> </ul>	<p>Book 2, chapter 6  Book 1 chapter 2  Book 2, chapter 8  Book 1, chapter 10  Book 1, chapter 1  Book 1, chapter 3  Book 2, chapter 4</p>
<p><b>Paper 2 7405/2 Organic and Physical Chemistry</b></p> <ul style="list-style-type: none"> <li>• 3.3.4 Alkenes (including Required Practical 10)</li> <li>• 3.1.2 Amount of substance</li> <li>• 3.3.13 Amino acids, proteins and DNA</li> <li>• 3.1.6 Chemical equilibria, Le Chatelier's principle and <math>K_c</math></li> <li>• 3.1.9 Rate equations</li> <li>• 3.3.10 Aromatic chemistry</li> <li>• 3.3.1 Introduction to organic chemistry</li> </ul>	<p>Book 1, chapter 14  Book 1 chapter 2  Book 2, chapter 14  Book 1, chapter 6+7  Book 2, chapter 3  Book 2, chapter 12  Book 1, chapter 11</p>
<p><b>Paper 3 7405/3</b></p> <p>(This is the synoptic paper, so these topics may be assessed in combination.)</p> <ul style="list-style-type: none"> <li>• 3.1.8 Thermodynamics (including Required Practical 2)</li> <li>• 3.3.1 Introduction to organic chemistry</li> <li>• 3.2.5 Transition metals</li> <li>• 3.3.3 Halogenoalkanes</li> <li>• 3.1.9 Rate equations (including Required Practical 7)</li> <li>• 3.1.2 Amount of substance (including Required Practical 4)</li> <li>• 3.1.11 Electrode potentials and electrochemical cells</li> </ul>	<p>Book 2, chapter 2  Book 1 chapter 11  Book 2, chapter 8  Book 1, chapter 13  Book 2, chapter 3  Book 1, chapter 2  Book 2, chapter 5</p>

