





# Year 9 Chemistry Exam Preparation

Use this table to help you revise. Use the web pages linked to the QR codes to revise a topic and then answer the questions to the right. There are other resources on the school website

Topic	R	A	G	QR code	Facts I Need to Know
Polymers and Recycling materials					<ol style="list-style-type: none"> <li>1. Give an example and use of 3 different types of ceramics</li> <li>2. Give 3 properties of polymers and link each to a use</li> <li>3. What is a composite material?</li> <li>4. State the 3 methods of disposing of polymers</li> </ol>
Reactivity					<ol style="list-style-type: none"> <li>1. What is the difference between a physical change and a chemical reaction?</li> <li>2. What is the reactivity series and how can we use it to predict reactions?</li> <li>3. Would sodium displace copper? Why?</li> <li>4. How are iron and aluminium extracted from their ores? Why is the same method not used?</li> </ol>
Purifying Substances					<ol style="list-style-type: none"> <li>1. What is the difference between a pure substance and a mixture?</li> <li>2. How can filtration and crystallisation be used to separate mixtures?</li> <li>3. How can chromatography be used to separate mixtures?</li> <li>4. What is distillation?</li> </ol>
History of the atom and the Periodic Table					<ol style="list-style-type: none"> <li>1. How has the model of the atom changed over the last 100 years?</li> <li>2. How can you calculate the number of protons, neutrons and electrons in atoms?</li> <li>3. How did Mendeleev arrange his periodic table?</li> <li>4. How are the elements arranged in the modern periodic table?</li> </ol>