



## Westbourne House School Revision – Spring Term

### Y8 CHEMISTRY CE REVISION CHECKLIST

#### Equipment you will need for the exam:

- Fountain pen and spare cartridges
- Ruler (15cm and 30cm)
- Pencil
- Eraser and pencil sharpener
- Calculator

TOPIC	WHAT TO REVISE	DONE?
Separating techniques	<ul style="list-style-type: none"><li>• Distillation</li><li>• Filtering</li><li>• Evaporation</li><li>• Keywords: solute, solvent, solution, saturated</li></ul>	
Acids and alkalis	<ul style="list-style-type: none"><li>• The pH scale</li><li>• Indicators and pH meters</li><li>• Neutralisation</li><li>• Naming acids from acid reactions</li></ul>	
Metal reactions	<ul style="list-style-type: none"><li>• The reactivity series</li><li>• Reactions of metals in oxygen and water</li><li>• Reactions of metals and acids</li><li>• Reactions of metal carbonates</li><li>• REDOX reactions</li><li>• Thermal decomposition</li><li>• Chemical test for Hydrogen, carbon dioxide, oxygen, water, nitrogen (no test as unreactive)</li></ul>	
Different materials & states of matter	<ul style="list-style-type: none"><li>• Properties of metals v's non-metals</li><li>• Expansion of metals</li><li>• Particle arrangement of solids, liquids &amp; gases</li><li>• Changes of state</li></ul>	
Experimental design	<ul style="list-style-type: none"><li>• Experimental errors</li><li>• Scientific equipment</li><li>• Why we use chemicals in excess</li><li>• Dependent and independent variables</li><li>• Graphing<ul style="list-style-type: none"><li>○ always in pencil</li><li>○ plot the points accurately</li><li>○ draw the line of best fit freehand i.e. not with a ruler</li></ul></li></ul>	

Elements and compounds	<ul style="list-style-type: none"> <li>• definitions of elements and compounds, mixtures, molecule</li> <li>• element symbols</li> </ul>	
------------------------	--	--

Notes/ Tips
<ul style="list-style-type: none"> <li>• You are preparing for a CE paper</li> <li>• You will need to revise the syllabus outlined above using your ISEB Revision Guide and your Chemistry exercise books from Y6-8.</li> <li>• For further information or guidance about revision or the actual exam, please contact Dan Brown  <a href="mailto:dbrown@westbournehouse.org">dbrown@westbournehouse.org</a> </li> </ul>