

## CHEMISTRY

Learning objectives I can:	I can do this very well	I can do this quite well	I need to do more work on this
<b>3.1</b> Recall that hydrochloric acid is produced in the stomach in order to:			
<b>a</b> help digestion			
<b>b</b> kill bacteria			
<b>3.2</b> Describe indigestion remedies as containing substances that neutralise excess stomach acid			
<b>HSW 12</b> Describe the benefits, drawbacks and risks of using new scientific and technological developments			
<b>3.3</b> <i>Investigate the effectiveness of different indigestion remedies</i>			
<b>3.4</b> Recall that acids are neutralised by:			
<b>a</b> metal oxides			
<b>b</b> metal hydroxides			
<b>c</b> metal carbonates to produce salts (no details of salt preparation techniques or ions are required)			
<b>3.5</b> Recall that:			
<b>a</b> hydrochloric acid produces chloride salts			
<b>b</b> nitric acid produces nitrate salts			
<b>c</b> sulfuric acid produces sulfate salts			
<b>HSW 11</b> Present information using scientific conventions and symbols			
<b>3.6</b> Describe electrolysis as a process in which electrical energy, from a d.c. supply, decomposes compounds, by considering the electrolysis of dilute hydrochloric acid to produce hydrogen and chlorine (explanations of the reactions at the electrodes are not required)			
<b>3.7</b> <i>Investigate the electrolysis of dilute hydrochloric acid</i>			
<b>3.8</b> Describe the chemical test for hydrogen			
<b>3.9</b> Describe the chemical test for chlorine			
<b>3.10</b> Recall that chlorine can be obtained from sea water by electrolysis (explanations of the reactions at the electrodes are not required)			
<b>3.11</b> Describe chlorine as a toxic gas and that this leads to potential hazards associated with its large-scale manufacture			
<b>3.12</b> Describe the use of chlorine in the manufacture of bleach and of the polymer poly(chloroethene) (PVC)			
<b>HSW 12</b> Describe the benefits, drawbacks and risks of using new scientific and technological developments			
<b>3.13</b> Recall that water can be decomposed by electrolysis to form hydrogen and oxygen			
<b>3.14</b> Describe the chemical test for oxygen			
<b>HSW 12</b> Describe the benefits, drawbacks and risks of using new scientific and technological developments			

# C1 Topic 3 Revision tracker