



## Materials - Biology

Lesson	Objective/s
Pre assessment	<ul style="list-style-type: none"><li>• Complete pre assessment</li><li>• Review previous knowledge.</li><li>• Look at new knowledge organiser</li></ul>
Lesson 1	<ul style="list-style-type: none"><li>• Compare and group together everyday materials on the basis of their properties, including their hardness, transparency and response to magnets.</li><li>• Sort and classify materials according to their properties</li></ul>
Lesson 2	<ul style="list-style-type: none"><li>• Compare and group together everyday materials on the basis of their thermal conductivity by investigating thermal conductors and insulators.</li><li>• Give reasons, based on evidence from comparative and fair tests</li></ul>
Lesson 3	<ul style="list-style-type: none"><li>• Compare and group together everyday materials on the basis of their electrical conductivity.</li><li>• Plan different types of scientific enquiry and report findings.</li></ul>
Lesson 4	<ul style="list-style-type: none"><li>• Compare and group together everyday materials on the basis of their solubility by investigating dissolving.</li><li>• Take measurements using a range of scientific equipment,</li></ul>
Lesson 5	<ul style="list-style-type: none"><li>• Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li><li>• Demonstrate that dissolving, mixing and changes of state are reversible changes by separating different mixtures.</li></ul>
Lesson 6	<ul style="list-style-type: none"><li>• Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</li><li>• Use test results to make predictions</li></ul>
Post assessment	<ul style="list-style-type: none"><li>• Complete post assessment quiz.</li></ul>