

Question number	Answer	Additional guidance	Mark
<b>11</b>	<p>A description that makes reference to six of the following points:</p> <ul style="list-style-type: none"> <li>• <b>all</b> main sequence stars fuse H into He (1)</li> <li>• lower mass stars stay on the MS line for longer (1)</li> <li>• lower mass stars become red giants (1)</li> <li>• higher mass stars become red super giants (1)</li> <li>• red giant becomes a white dwarf (1)</li> <li>• supergiant becomes a supernova (1)</li> <li>• supernova becomes a neutron star (1)</li> <li>• supernova becomes a black hole (1)</li> </ul>	<p>accept numerical values</p> <p>allow red giant to planetary nebula</p>	<b>6</b>

**Total for Question 11 = 6 marks**