

Question Number	Answer	Mark
<b>8(a)</b>	<ol style="list-style-type: none"> <li>1. eukarya / eukaryote ;</li> <li>2. archaea ;</li> <li>3. bacteria ;</li> </ol>	<b>(3)</b>

Question Number	Answer	Mark
<b>8(b)(i)</b>	<ol style="list-style-type: none"> <li>1. idea that the species is reproductively isolated ;</li> <li>2. produce offspring that are {sexually viable /fertile / eq} ;</li> <li>3. many features in common / reference to homologous ;</li> </ol>	<b>max (2)</b>

Question Number	Answer	Mark
<b>8(b)(ii)</b>	<ol style="list-style-type: none"> <li>1. the number of different alleles / eq ;</li> <li>2. in a population / gene pool ;</li> <li>3. reference to allele frequency ;</li> </ol>	<b>(2)</b>

Question Number	Answer	Mark
8(b)(iii)	<ol style="list-style-type: none"> <li>1. breeding programme / eq ;</li> <li>2. careful selection of mate / eq ;</li> <li>3. allowing only to mate with a different individual to previous mating / eq ;</li> <li>4. only allowing those with different genes to mate / eq ;</li> <li>5. use of genetic testing / eq ;</li> <li>6. record keeping (studbooks) ;</li> <li>7. reason for outbreeding ;</li> <li>8. reintroduction to the wild / eq ;</li> </ol>	<p style="text-align: right;"><b>max (4)</b></p>