

































Q7.

Question Number	Answer	Additional Guidance	Mark
(i)	<p>An explanation that makes reference to the following:</p> <ul style="list-style-type: none"> <li>because viruses are {not living / not cells / have no metabolism / have no protein synthesis organelles / lack a cell wall / lack peptidoglycan} (1)</li> <li>antiviral drugs used because they inhibit replication (1)</li> </ul>		(2)

Question Number	Answer	Additional Guidance	Mark
(ii)	<p>An explanation that makes reference to four of the following:</p> <ul style="list-style-type: none"> <li>identify mosquitoes that fluoresce (1)</li> <li>because these mosquitoes are {genetically modified / contain the gene} (1)</li> <li>allow {those that fluoresce / GM mosquitoes} to interbreed (1)</li> <li>repeat for several generations (1)</li> <li>offspring with the gene for fluorescence are selected to produce a population of GM mosquitoes (1)</li> </ul>	Do not accept eggs	(4)

Question Number	Answer	Additional Guidance	Mark
(iii)	<p>An explanation that makes reference to two of the following:</p> <ul style="list-style-type: none"> <li>to prevent (people with Zika) being bitten (1)</li> <li>therefore preventing {spread of Zika / biting uninfected people / increase in infected mosquitoes} (1)</li> <li>mosquitoes spread other diseases (1)</li> </ul>		(2)