

Question Number	Answer	Additional guidance	Mark
9(c)(iii)	<p>An explanation that makes reference to three of the following points:</p> <ul style="list-style-type: none"> • analysis of molecular evidence (of the zoo tortoise) (1) • comparison (of molecular evidence) to a <i>C. hoodensis</i> tortoise (to see how similar the sequences are) (1) • comparison of {phenotype /anatomy/physiology} to a <i>C. hoodensis</i> tortoise (1) • breeding the tortoise with a <i>C. hoodensis</i> tortoise to see if fertile offspring are produced (1) 	<p>e.g. DNA / RNA / proteins ACCEPT molecular phylogeny</p> <p>ACCEPT comparison of bands (from gel electrophoresis) with <i>C. hoodensis</i> tortoise</p> <p>ACCEPT identification of features {exclusive/similar} to <i>C. hoodensis</i></p>	(3)

Question Number	Answer	Additional guidance	Mark
9(d)	<p>An explanation that makes reference to two of the following points:</p> <ul style="list-style-type: none"> • DNA analysis to identify different alleles (1) • use of Hardy-Weinberg equation / $p^2+2pq+q^2$ (1) • (in order to) compare (recessive) allele frequency in previous generation(s) with current generation (1) 		(2)