

Question Number	Answer	Additional guidance	Mark
8(a)(i)	<p>A description that includes two of the following points:</p> <ul style="list-style-type: none"> • long wings to allow it to {fly long distances / glide / use updraft} (1) • webbed feet to allow it to paddle through water (1) • long beak {to allow it to catch its prey / to feed / for defence} (1) 	<p>ACCEPT webbed feet to allow increased air resistance</p> <p>ACCEPT large eyes to see prey in the water</p>	(2)

Question Number	Answer	Additional guidance	Mark
8(a)(ii)	<p>A calculation showing the following steps:</p> <ul style="list-style-type: none"> • calculation of decrease in number (1) • calculation of population remaining, rounded to a whole number (1) 	<p><u>Example of calculation:</u></p> <p>5.3% of 4500 = 238.5</p> <p>4261 / 4262</p> <p>Correct answer with no working shown scores full marks</p>	(2)

Question Number	Answer	Additional guidance	Mark
8(b)	<p>An answer that includes the following point:</p> <ul style="list-style-type: none"> • similar phenotype (1) 	<p>ACCEPT they have similar {physical features / anatomy / morphology}</p> <p>ACCEPT could interbreed to produce fertile offspring</p>	(1)

Question Number	Answer	Additional guidance	Mark
8(c)	<p>An answer that makes reference to four of the following:</p> <ul style="list-style-type: none"> • (genetic) mutation(s) occurred (1) • resulting in (new) allele coding for {larger size / ability to digest meat / eat chicks} (1) • (which then) conferred a selective advantage / (mutated mice) more likely to {survive and reproduce / pass alleles to offspring} (1) • (therefore) increasing allele frequency (1) • mutated mice on this island becoming reproductively isolated (resulting in two different species) (1) 	<p>Ignore genes max 3 if they do not refer to {larger size / ability to digest meat / eat chicks / defence from chicks}</p> <p>ACCEPT those without the {mutation / ability to eat chicks / advantageous allele} were less likely to survive and reproduce</p> <p>ACCEPT mice on this island were geographically isolated (from non-mutated mice) / allopatric speciation occurred</p>	(4)