

Question Number	Answer	Mark
5(a)(i)	<p>The only correct answer is B endemic</p> <p><i>A is not correct because the correct term is endemic</i></p> <p><i>C is not correct because the correct term is endemic</i></p> <p><i>D is not correct because the correct term is endemic</i></p>	(1)

Question Number	Answer	Additional guidance	Mark
5(a)(ii)	<p>A calculation in which:</p> <ul style="list-style-type: none"> • correct difference (1) • correct percentage change (1) 	<p><u>Example of calculation:</u></p> <p>950-7100 = (-)6150</p> <p>$(-6150 \div 7100) \times 100 = (-)87(\%)$</p> <p>Correct answer scores full marks</p>	(2)

Question Number	Answer
*5(b)	<p>Answers will be credited according to candidate's deployment of knowledge and understanding of the material in relation to the qualities and skills outlined in the generic mark scheme.</p> <p>The indicative content below is not prescriptive and candidates are not required to include all the material indicated as relevant. Additional content included in the response must be scientific and relevant.</p> <ul style="list-style-type: none"> • common ancestor {lived on Hawaii islands / had shorter beak than Amakihi / less powerful beak than Palila} • colonisation of new island / geographical isolation • change in the environment / competition for food / (new) selection pressures • genetic variation in population / mutation resulted in new allele(s) • some alleles conferred an advantage therefore bird more likely to survive and reproduce than other birds and pass on those advantageous alleles to next generation • repeated over many generations leading to new species • idea of reproductive isolation <p>Amakihi</p> <ul style="list-style-type: none"> • Amakihi has a longer beak • (therefore) was able to drink (more) nectar from flowers / tree sap / access more spiders / insects • Amakihi has larger population due to being adapted to live in more habitats / idea that it can access more types of food sources <p>Palila</p> <ul style="list-style-type: none"> • Palila has a {more powerful beak / beak which could crack open the coat (of seed)} • Palila was able to eat (more) seeds / berries