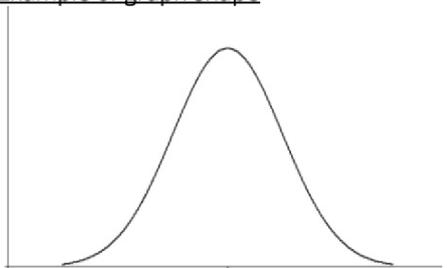


Question Number	Answer	Additional guidance	Mark
6(a)	<ul style="list-style-type: none"> graph showing normal distribution (1) both axes labelled (1) 	<p>Accept peak shifted to left or right</p> <p>Accept suitable labels e.g. phenotype / characteristic / height (cm) on x axis frequency / number of individuals on y axis ignore population</p> <p><u>Example of graph shape</u></p> 	(2)

Question Number	Answer	Additional guidance	Mark
6(b)	<p>An explanation that includes the following points:</p> <ul style="list-style-type: none"> (because) mutation resulted in these genes {becoming switched on / being expressed / not being switched off / remaining switched on} (1) {transcription of / (active) mRNA made from} (active tooth production) genes (1) (therefore) translation (of mRNA) occurs / proteins formed (for teeth development) (1) (proteins cause) structural change to (beak) cells changes them into teeth cells (1) 	<p>Accept differential gene expression</p> <p>Accept proteins result in (embryo) cells differentiating into teeth cells</p>	(4)