

9Ac Genes and extinction

Page 16 and 17

- 1) a Light
 - b The lack of light meant that the plants could not photosynthesise properly and died, which meant that animals had less to eat and so may also die.
- 2) a claws
 - b tail
- 3) a through lack of food
 - b They can store more fat in their bodies because they are bigger.
 - c The adaptations that squirrels have are caused by their genes.
- 4) - The grey squirrels are better adapted.
-Grey squirrels carry squirrel pox, which kills red squirrels.
- 5) Red squirrels are smaller and so more able to get out onto the thin branches.
- 6)
 - putting out extra food in winter.
 - making sure that grey squirrels don't enter the area or killing those that do.
- 7) Native Hawaiian animals depend on it for food/shelter; it is an attractive plant; it may contain substances that will be useful to humans in the future.
- 8) Refer to your work book page 12, Q2.
- 9) The seeds from an extinct species can be taken out of the gene bank and planted. Or tissues from extinct species of plants could be used to regrow them, in a similar way as taking a cutting works.