

National 5 Biology

Adaptation, Natural Selection & Evolution

1. Define a species. (1)
2. Give two examples of a mutagenic agent. (2)
3. Name three factors responsible for natural selection. (3)
4. Outline the main stages in speciation. (4)
5. Decide whether each of the statements in the table is true or false and tick your choice. If a statement is false, give the word(s) that need to be used to replace the word(s) in bold. *Copy and complete the table.*

Statement	True	False	Correction
Mutation is the only source of new variation among organisms.			
Most mutations give an organism an advantage .			
Deserts are an example of an ecological barrier in speciation.			
Natural selection was a theory first put forward by Charles Darwin.			

6. Draw a table with the two column headings "Organism" and "Adaptation". In your table put four different organisms and give two examples of how each organism is adapted to its environment. (4)
7. Name the three types of isolating barrier in speciation. (8)

Total = 25