

Genes

1. Variation

CONCEPT 3

TEST YOURSELF

IMPORTANCE OF VARIATION

KNOW

- Q1 What does “variation” mean in biology? Describe two examples.
- Q2 Why the Dodo species became extinct?

APPLY

- Q3 Giraffe neck length is approximately 1.8m on average. However, some adult giraffes can have necks that are 2.4m in length. What is the survival advantage for a giraffe with a longer neck?
- Q4 Some animals, for example squirrels, are born with no colour pigment. Their fur is white, and they are called albinos. How might these squirrels survive in the wild compared to red or grey squirrels?

EXTEND

- Q5 How does variation in antibiotic resistance help some species of bacteria survive?
- Q6 How have superbugs been produced as a result of antibiotic use?