

Variation

Define variation.

Variation

What is continuous variation?

Variation

What is discontinuous variation?

Variation

What causes continuous and discontinuous variation?

Variation

Give two examples of discontinuous variation in peas.

Variation

What is mutation?

Variation

What increases the rate of mutation?

Variation **Supplement**

Describe gene mutation.

Variation that results in a range of phenotypes between two extremes, for example body length and body mass.

Differences between individuals of the same species.

Continuous: genes and the environment.
Discontinuous: usually genes only.

Variation that results in a limited number of phenotypes with no intermediates, for example ABO blood groups.

Genetic change. It is the way in which new alleles are formed.

Seed shape and seed colour.

A random change in the base sequence of DNA.

Ionising radiation and some chemicals.

Name four sources of genetic variation in populations.

Mutation, meiosis, random mating and random fertilisation.