

30 What is a source of genetic variation that alters the base sequence of DNA?

- A gene mutation
- B mitosis
- C random fertilisation
- D random mating

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32 What is a way in which new alleles are formed?

- A artificial selection
- B mutation
- C natural selection
- D sexual reproduction

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33 Which row describes continuous and discontinuous variation?

	continuous variation	discontinuous variation
A	body mass in animals is an example	caused by genes and the environment
B	caused by genes and the environment	seed shape in peas is an example
C	caused by genes only	ABO blood groups is an example
D	seed colour in peas is an example	caused by genes only

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33 What are sources of genetic variation in populations?

- A meiosis, mutation, random mating
- B meiosis, random mating, asexual reproduction
- C mitosis, mutation, random fertilisation
- D mitosis, random fertilisation, asexual reproduction