

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

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

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

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

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