

Evolution Keywords

1. adaptation
2. allele frequency
3. bottle neck effect
4. directional selection
5. disruptive selection
6. evolution
7. founder effect
8. gene pool
9. gene flow
10. gene frequency
11. genetic drift
12. genetic equilibrium
13. immigration
14. independent assortment
15. mate selection
16. natural selection
17. population
18. recombination
19. selection pressure
20. speciation
21. species
22. stabilising selection

- A Selection for organisms shown in one extreme of the range of a variable
- B Random changes in gene frequencies (in small populations)
- C Those with the best variations for the conditions in the environment have a better chance of surviving and breeding.
- D New individuals (genes) entering a population
- E Gene mixing to give new combinations of existing genes caused by meiosis and fertilisation.
- F Gene pool based on a few colonisers
- G when the gene frequencies in a population are staying the same from generation to generation.
- H Sexual selection – eg. Female pea hen shows preference for peacock with big tail.
- I The proportion of a particular gene in a gene pool
- J The separation of one pair of alleles does not affect the separation of another pair of alleles
- K Inherited feature that enables members of a species to live and reproduce in a habitat.
- L The strength of natural selection
- M All the genes (and their alleles) of all members of a population
- N All the members of the same species of different ages, in the same time and place.
- O Formation of new species
- P The proportion of a particular form of a gene in a gene pool
- Q Selection that restricts variation in a population
- R All the members of a group of similar organisms that can breed (or potentially breed) and produce fertile off spring
- S Gene pool based on the genes of a few survivors
- T Selection favouring both extremes of a range
- U Exchange of genes between populations
- V Any change in the genetic composition of a population over time.

Answers:

1	K
2	P
3	S
4	A
5	T
6	V
7	F
8	M
9	U
10	I
11	B
12	G
13	D
14	J
15	H
16	C
17	N
18	E
19	L
20	O
21	R
22	Q