# Evolution

Genes 3.10.3 | Part 2, usually Year 8 | 20 quick questions

**KS3 science quick questions**

Answer online, marked instantly

Activate 2: Inheritance; Activate 3: Variation and natural selection | Exploring Science 9A

**Name:** _____ **Date:** _____ **Score:** _____ **/ 20**

**1** What is the name for the slow change in living things over many generations?

**2** Which scientist wrote about the theory of evolution by natural selection after a voyage on HMS Beagle?

**3** Living things best suited to their surroundings survive and breed. What is this process called? Answer in two words.

**4** A feature that helps an organism survive in its habitat is called what?

**5** Camels can go days without drinking. Which resource is scarce in the desert that this helps with?

**6** Animals of the same species struggle with each other for food, mates and space. What is this called?

**7** In natural selection, the best-adapted animals are more likely to survive. What must they then do to pass their genes on to the next generation? Answer in one word.

**8** When every member of a species has died, the species is said to be what?

**9** A species with only a few members left that could soon die out is called what? Answer in one word.

**10** Name one thing that can cause a species to become extinct.

**11** What is the word for the variety of different species living in an area?

**12** Seeds of thousands of plant species are frozen and stored in case those plants die out. What is this store called? Answer in two words.

**13** The remains of living things from long ago, preserved in rock, are called what?


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**14** Rabbits in a snowy place vary in fur colour. Which fur colour gives the best chance of hiding from foxes?

**15** Over many generations of those snowy rabbits, does the number with white fur increase or decrease?

## Year 9 stretch

**16** Soot once blackened tree bark in some English cities. Pale moths or dark moths: which became more common there?

**17** Some bacteria survive an antibiotic and multiply. What word describes these bacteria? Answer in one word.

**18** Giraffes with longer necks could reach more leaves. Explain how giraffes' necks became longer over many generations.

**19** Explain why it matters if a species of wild plant becomes extinct, even if people do not eat it.

**20** Rock layers form one on top of another. Are fossils in deeper layers usually older or younger than those near the top?


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