

## 7 Natural selection and evolution – Part 1 —Answers

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### Answers

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Work through these after you have tried the questions yourself.

**2.1** variation exists in a population; some individuals survive and reproduce better; their helpful inherited traits become more common.

**2.2** reproductive success –how many surviving offspring an individual produces.

**2.3** in natural selection the environment “chooses” which survive; in artificial selection humans choose which individuals breed.

**2.4** individuals with the helpful trait survive and reproduce more, passing the trait to more offspring each generation, so it spreads.

**2.5** any of: larger crop yield, more milk in cattle, particular dog breeds, etc.