

Topic 5 Evolution

Use text/drawings to address these questions. Bullet points are enough.

- Define evolution, speciation
- How is the pentadactyl limb evidence for evolution?
- What is selective breeding and how is it selective breeding evidence for evolution?
- What is the fossil record and how is it evidence for evolution?
- How is the peppered moth an evidence for evolution?
- What is natural selection and what are the observations and deductions?
- What are sources of (genetic) variation?
- Explain the role of natural selection in *Daphne major*
- Explain antibiotic resistance and how it is an example of natural selection.
- How are species named?
- What is a dichotomous key?
- Explain the terms: classification, natural and artificial classification, taxonomy, identification
- What are the three domains and five kingdoms?
- Explain the hierarchy of taxa.
- Summarize in a table the features of the four main plant phyla
- Summarize the features of different animal phyla
- Summarize the features of different vertebrates
- Explain the terms: cladistics, clade, cladogram