

The ARKive Darwin education materials cover a number of science subjects, such as Darwin, evolution, natural selection, classification and variation, using Darwin and the voyage of the Beagle as the exploratory vehicle.

Included within the package are: an ARKive themed classroom presentation, classroom activities and links to additional ARKive internet multi-media resources. All the resources provided can be used alongside your existing teaching material, individually or as a complete set.

In addition, the ARKive website contains a wealth of multi-media that teachers can tailor to the specific needs of their individual teaching group. The educational material ARKive has put together is intended to give an idea of how ARKive can be used to help teach a variety of subjects.

The components of the ARKive evolution and adaptation education materials for 14-16 year olds are detailed below:

- **Class presentation**
 - 14-16 year olds Classroom presentation - Charles Darwin and Natural Selection.ppt
 - MyARKive scrapbook of images: Charles Darwin and natural selection:
www.arkive.org/charles-darwin-and-natural-selection
- **Evolution: Evolution and adaptation - activity**
 - 14-16 year olds Activity - Evolution and adaptation - classroom activity.ppt
 - 14-16 year olds Activity - Evolution and adaptation - handout.pdf
 - MyARKive scrapbook: Evolution and adaptation:
www.arkive.org/evolution
 - 14-16 year olds Activity – Evolution – Descent with modification – teacher's notes: see below

14-16 year olds Activity – Evolution: Evolution and adaptation – teacher's notes

Part 2 – Answers

Question 4.

Platypus

The distinctive features that make the platypus so instantly recognisable are its duck-like bill, dense, waterproof fur, webbed feet, and broad, flattened tail. Although, the characteristic muzzle of the platypus resembles that of a duck, it is actually soft and rubbery, and contains no true teeth.

Pichi

Like other armadillos, the upper surface of the pichi's body, including much of the head, back, sides, and tail, comprises flexible skin overlaid with armour-like bony plates and tough horny skin. Fine blackish hairs and long yellow, brown and white bristles protrude between the individual plates on the back, while coarse yellowish hairs cover the soft skin on the underside of the body.

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