

Question 30 (7 marks)

Geological and biological history of New Zealand

<i>Event</i>	<i>Time</i>
Australia and New Zealand separated	85–65 million years ago
New Zealand drifted east and subsided, its land mostly under seawater (most fossils are marine)	85–22 million years ago
Mammals became abundant worldwide	60 million years ago
Earliest migratory bird fossils	55 million years ago
New land created by volcanoes in New Zealand	22 million years ago to present
Many new, unique species of birds appear in the fossil record	20 million years ago to present
Islands completely devoid of mammals. Birds occupied niches that were usually occupied by mammals	700 years ago

Use this information and other relevant knowledge to demonstrate how the practice of biology has led to the validation of current theories of evolution.

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All the land on the Earth was joined as one many years ago. Then it gradually broke off into all little separate islands

Australia and New Zealand separated from being one. Then most New Zealand was under water so a lot of the fossils that were dinosaurs were ~~main~~ marine.

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Question 30 (continued)

If mammals became worldwide 60 millions years ago then some sort of evolution would of had to happened for them to breed so fast.

New land was created from the force of volcanoes still happening today.

More and more unique bird fossils were found.

There is a lot of theories of evolution at the moment

I think evolution is happening all the time in basically anything we do, ~~it~~ it could be tied back evolution.

End of Question 30