

# Role of Isolation in evolution

2004

August

28

Saturday

Wk 35 241 125

Isolation plays an important role in evolution as it is the main factor in speciation.

Geographical or spatial isolation isolates the species into different groups. These groups develop their own kind of characters to suit them in the isolated new regions. Most of the suitable adaptations are acquired by mutation.

The latter changes their nature. Now these groups interbreed only among the individuals living in their own environment.

Continuation of changes in these individuals make them different from the parental stock. In due course changes become so prominent that if these are brought to parental stock these are unable to interbreed. It means these also become reproductively isolated which are recognized as new species. So it becomes clear that geographical and environmental isolation begin the process of speciation which is completed on appearance of reproductive isolation.

Sunday 29

SEPTEMBER

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Appointments

2004