

2.00 Q) Ecological isolation:-

13.00 The differences in the
14.00 habits and habitats of organisms
Such as food and physiological
15.00 requirement, place of living.

This term was used by MOORE (1949)
and is synonymous to ecological
isolation.

16.00

17.00 Q) Mechanical isolation:-

18.00 In some animals
genitalia are composed on the lock
and key hypothesis. When interbreeding
is prevented due to differences
in complex structure of genitalia
then it is called reproductive or
mechanical isolation.

Appointments

AUGUST

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2004

Prevention of interbreeding due to variation in psychology or habits is called psychological isolation.

Occurrence of selective mating on the basis of size, colour, dances, songs, scents, etc.

⑨ Physiological isolation:-

Sometimes two different species living in the same area are getting chance to mate. In such cases fertilization is prevented by physiological difference between the species.

Ex:- In *Drosophila*, mating among the members of different species is not possible, because vaginal mucous membrane swells up after copulation. The swelling lasts for few hours if mating is among the members of the same species but continues for days, if the mating is interspecific.

SEPTEMBER

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Appointments