

The Process of Speciation

Essential Questions:

- What factors are involved in formation of new species?
- How did the process of *speciation* in Galapagos finches occur?

- Isolating mechanisms-reproductive isolation
 - Behavioral isolation

(a) Courting dance

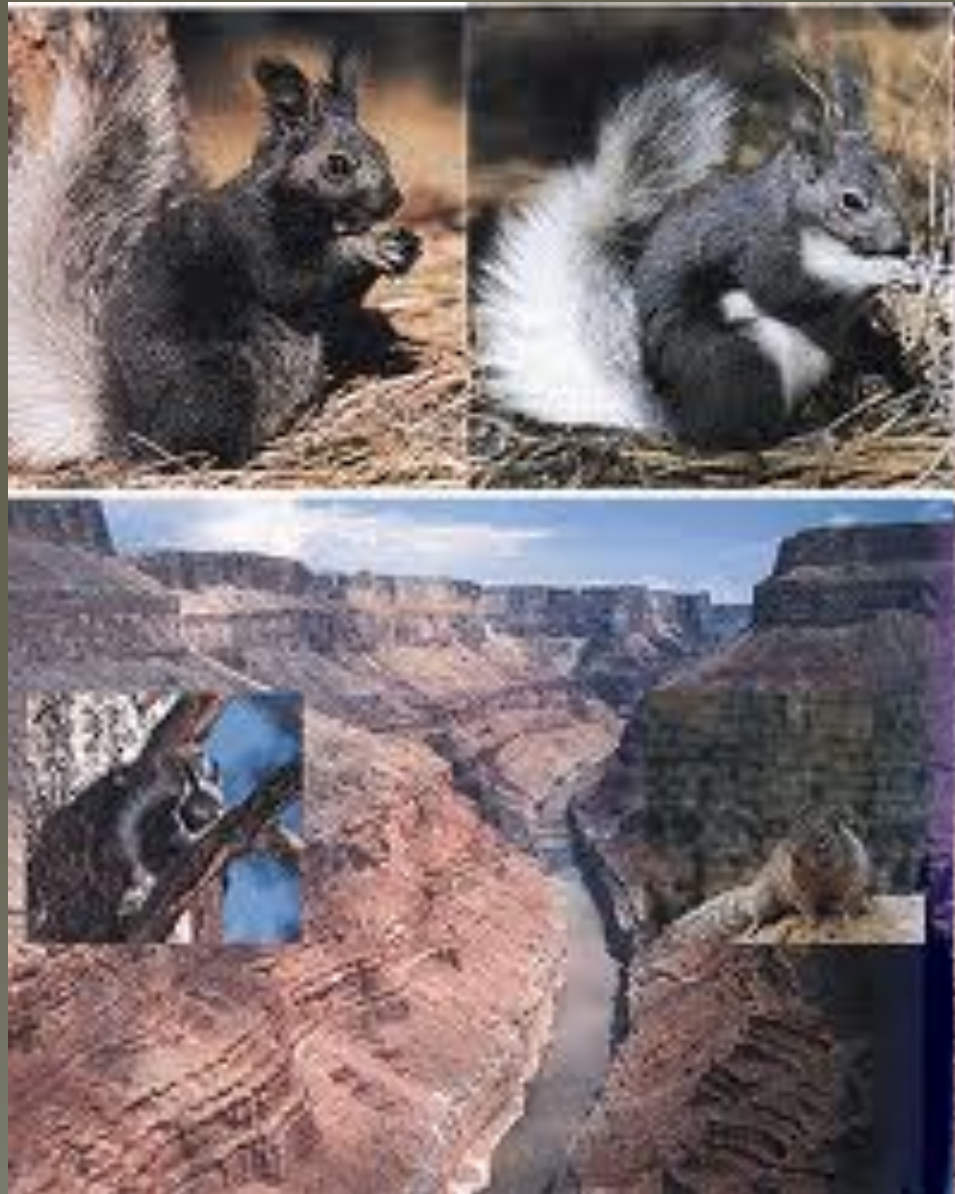


(b) Pointing display

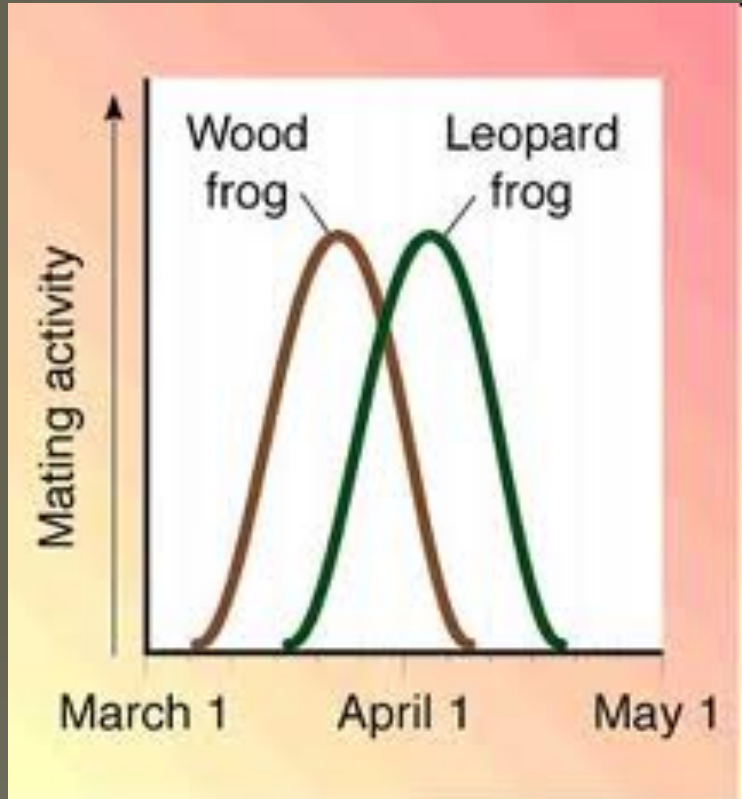


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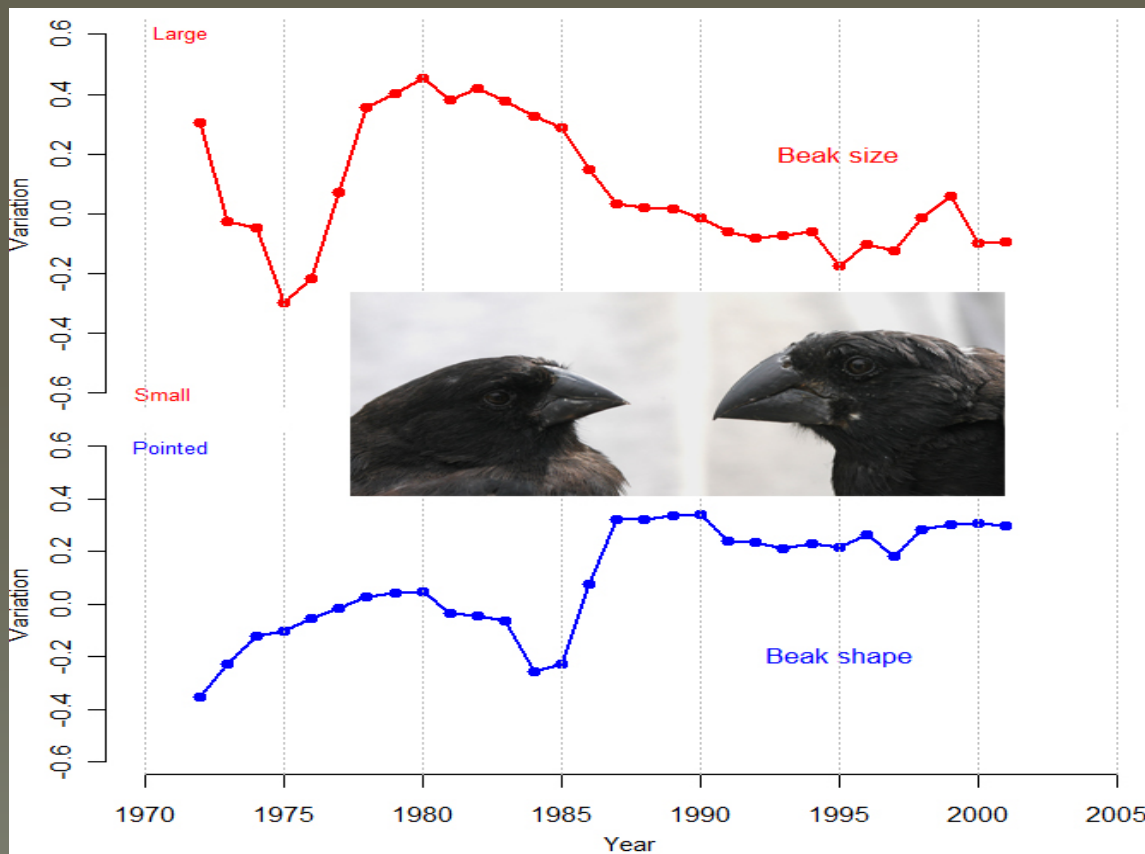
- Geographic isolation



- Temporal isolation



- Testing natural selection in nature
 - Galapagos -Darwin's finch hypothesis
 - Variation
 - Rapid evolution



➤ Speciation in Darwin's finches

- see p. 410, Fig. 16-17 in text

