

Mate Choice and Sexual Selection in Guppies

- Given a choice, female guppies will mate with brightly colored males.
 - ✦ Brightly colored males attract predators.
 - ✦ Color characteristics that have been shown to confer mating advantage:
 - Brightness
 - Number of spots
 - Total pigmented area



Sex Color And Mate Choice In Guppies

Gene S. Helfman



Sex Color And Mate Choice In Guppies:

Sex, Color, and Mate Choice in Guppies Anne E. Houde, 2019-12-31 The Trinidadian guppy *Poecilia reticulata* is well known to biologists and home aquarium enthusiasts alike. Scientists have studied guppies for most of the twentieth century. Some of the most intensive recent research has been conducted by behavioral ecologists who have found that the guppy mating system makes guppies especially useful in the study of sexual selection and mate choice. By observing guppy behavior in aquaria, researchers hope to obtain new insights into how selection operates in natural populations. Here, Anne Houde summarizes and synthesizes the scientific work done to date, relates the empirical findings on guppies to current themes in sexual selection theory, and suggests new directions for future research. This book describes the sexual behavior of guppies and examines how mate choice by females leads to the evolution of the conspicuous colors and the courtship displays for which guppies are widely recognized. The author shows that female guppies prefer males with bright color patterns, especially those with orange spots, and that the mating preferences of females lead to sexual selection on both color patterns and courtship displays of males. Houde's work addresses a number of areas that are of interest in sexual selection, including the remarkable degree of plasticity and evolutionary lability of sexual behavior in guppies, geographic variation in mating preferences, possible mechanisms for the evolution of female mating preferences, and the role of sexual selection in speciation. In conclusion, the author explores the implications of her findings for behavioral ecologists who study sexual selection in other species.

Sex, Color, and Mate Choice in Guppies Anne E. Houde, 1997-08-24 This book describes the sexual behavior of guppies and examines how mate choice by females leads to the evolution of the conspicuous colors and the courtship displays for which guppies are widely recognized. The author shows that female guppies prefer males with bright color patterns, especially those with orange spots, and that the mating preferences of females lead to sexual selection on both color patterns and courtship displays of males.

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Unveiling the Energy of Verbal Art: An Emotional Sojourn through **Sex Color And Mate Choice In Guppies**

In some sort of inundated with displays and the cacophony of fast interaction, the profound energy and mental resonance of verbal artistry often fade in to obscurity, eclipsed by the constant onslaught of sound and distractions. However, located within the musical pages of **Sex Color And Mate Choice In Guppies**, a interesting work of literary elegance that impulses with natural emotions, lies an unique trip waiting to be embarked upon. Composed by a virtuoso wordsmith, this interesting opus manuals readers on a psychological odyssey, lightly exposing the latent potential and profound influence stuck within the complex internet of language. Within the heart-wrenching expanse of the evocative examination, we can embark upon an introspective exploration of the book is key subjects, dissect its charming publishing model, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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