

Flashy Fish: Data

1. If being flashy attracts predators, why are male guppies so colorful?
2. What do you think is responsible for the variation in color from one generation to the next?
3. Select a hypothesis from the Sex and the Single Guppy Web activity or come up with your own and record it here.
4. Next you will set up your experiment as directed in the simulation. Record your initial settings here.

Predator types and numbers:

Initial guppy population:

5. Run your initial experiment for at least five generations and record your results here.

Number of guppies:

Number of generations:

Number of weeks:

Male color types:

Brightest male guppy _____%

Bright male guppy _____%

Drab male guppy _____%

Drabbest male guppy _____%

6. Was your hypothesis supported by your data? If so, why? If not, you may want to change your hypothesis and rerun your experiment.

evolution

7. New hypothesis:

Record your new data here.

Number of guppies:

Number of generations:

Number of weeks:

Male color types:

Brightest male guppy _____%

Bright male guppy _____%

Drab male guppy _____%

Drabbest male guppy _____%

8. Was your new hypothesis supported by your data? If so, why? If not, redo.

9. Summarize what you learned from your experiments.