

and human eyes. Through observational studies, scientists found that eyes have evolved to have greater acuity. In addition to the observational studies, experimental studies have been conducted to show how evolution takes place. In a study of guppies in a pond in Trinidad, when predator fish were taken out of the pond, more bright-colored fish populated the pond. This is due to the natural selection of bright-colored guppies, who are more attractive to female guppies. In this study, the bright-colored fish are more fit because they are able to reproduce more than the less bright-colored fish. The computer simulation of how an eye slowly evolves over many steps also displays the theory of evolution. These various studies provide substantial evidence for evolution to be a scientific theory.