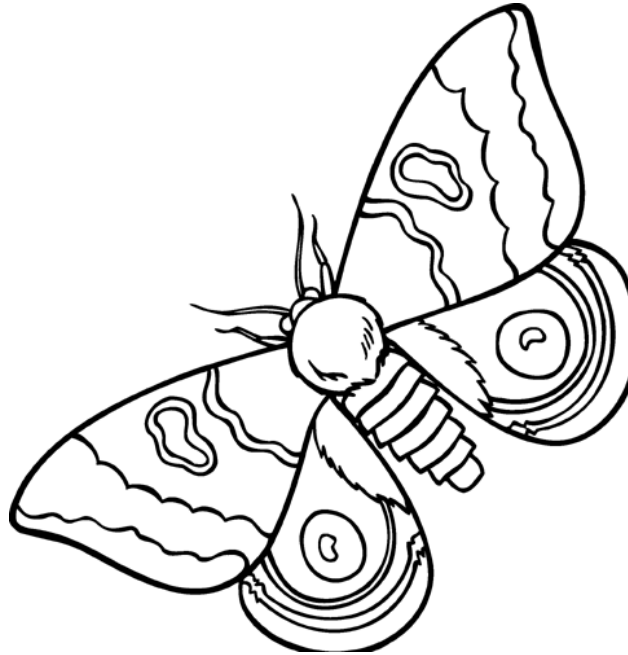


Attraction of Different Orders of Insects to Different Colors of Light



Kevin Li

Field Biology and Ecology

Dr. Michael J. Baranski (Instructor)

Katie Bender (Assistant)

Summer Ventures in Science and Mathematics

University of North Carolina at Charlotte

July 29, 2011

Abstract

This experiment was performed to test the response of different insects to different colors of light (red, black, blue, yellow, green and white). In 2011, data were collected from Watauga County, North Carolina. Each light was set up equally around each other and contained a bucket filled with soapy water. The number of insects attracted to each were classified and recorded. These data were also combined with previous years' data and analyzed. A Chi-square test showed significant differences in the data. Results illustrate that insects are attracted more to black light and least attracted to red light. Ultimately, insects prefer light with shorter wavelengths.