



Plotting Populations

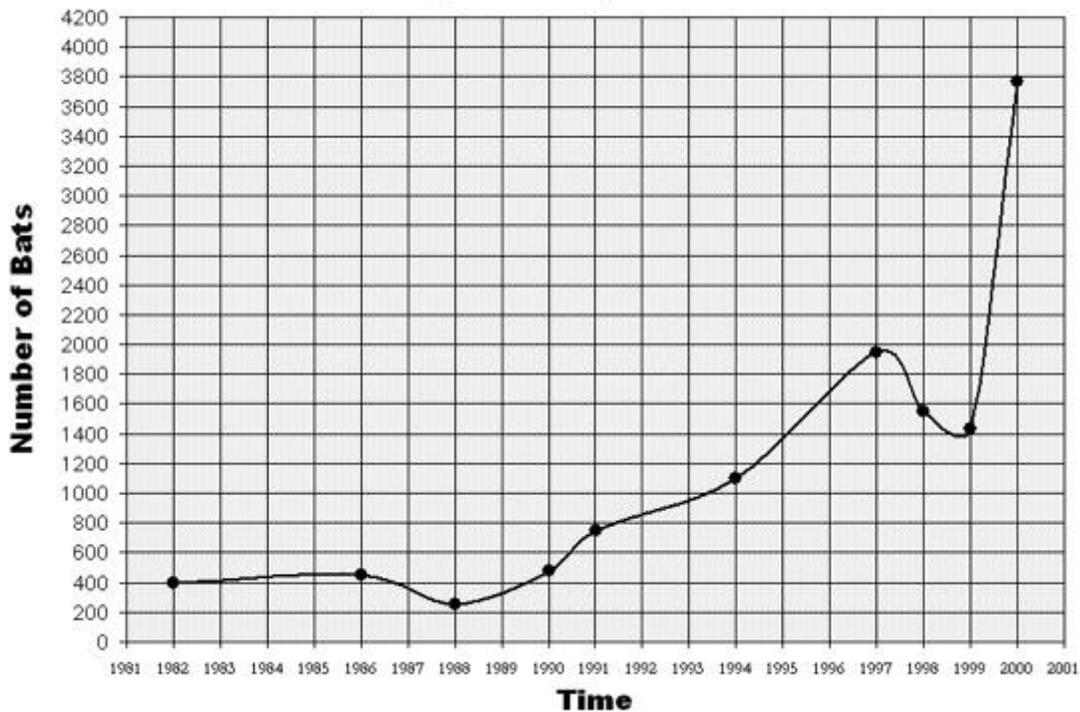
Graph Drawing Activity

Materials: Plotting Populations Worksheet ● Markers, crayons, &/or colored pencils ● Large sheet of graph paper (Optional)

Students should graph the data concerning grey bat populations at a single colony in Clark County, Indiana and answer the questions based on their graphs. As an option, the class can do the graphing and/or the questions as a group.

Answer Key

Gray Bat Population



1. The colony has increased 942% since 1982.
2. At least three times
3. Approximately 1400 bats
4. Between 1988 and 1990 (Actually in 1990)



Indiana Bats, Kids & Caves - Oh My!





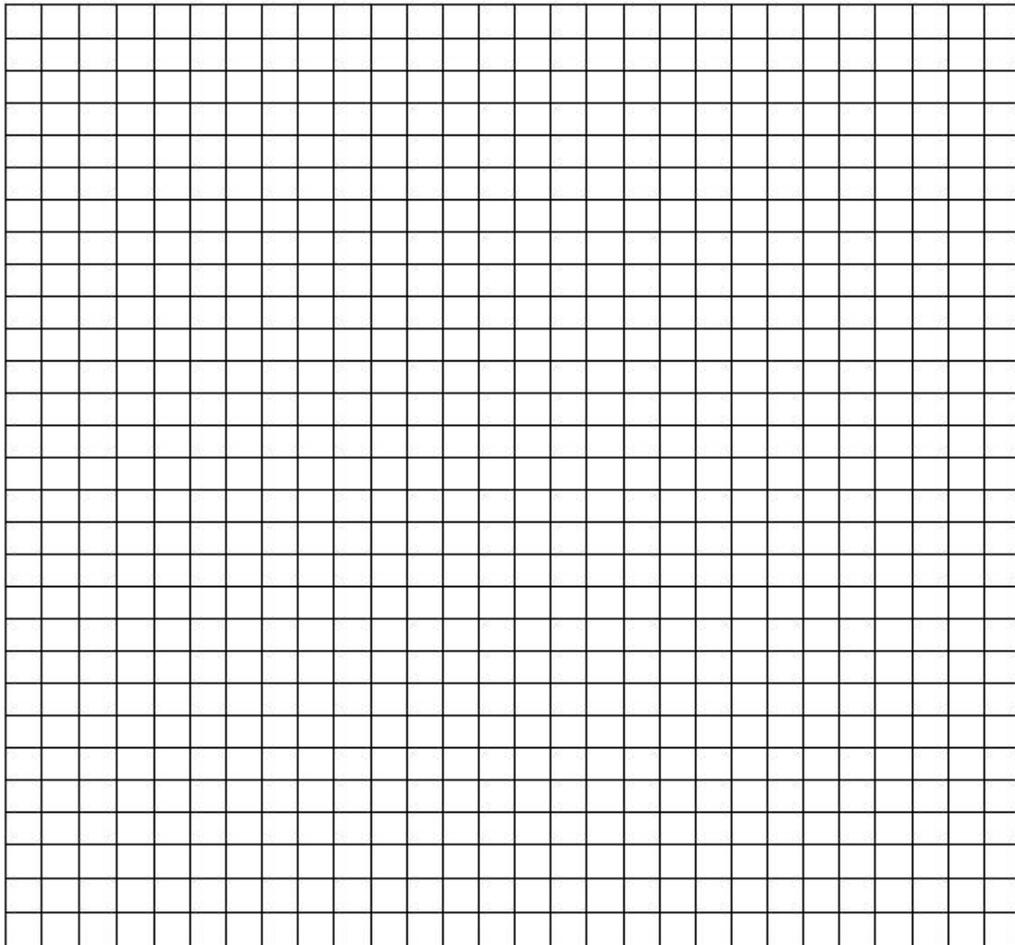
Name _____

Plotting Populations

Using the data in the table below, make a graph illustrating the changes in a gray bat population at a single colony in Southern Indiana. Don't forget to label your graph. Use the graph you've create to answer the questions on the next page.

Grey Bat Populations (Clark Co, Indiana)

Year	1982	1986	1988	1990	1991	1994	1997	1998	1999	2000
Number of Bats	400	453	253	481	752	1101	1949	1552	1430	3768





Name _____

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1. This colony has increased _____% since 1982.
a) 9.42% b) 842% c) 942% d) 442%

2. How many times has the population decreased since it started being measured in 1982?

3. The colony was not measured in 1995. Using your graph, estimate how many bats were in the colony that year.

4. When do you think this colony started being protected?

