

## Did You Know?

Locusts are a species of grasshopper that are mostly solitary but sometimes band together in large numbers. **Swarming locusts can fly great distances** and consume large quantities of vegetation wherever they settle.

Ecologists study seasonal populations, such as insects, to determine how **the population in one year is related to the population in the next**. Modeling populations helps scientists manage pest insects.



Over **90% of the animals on Earth are insects**.

Rest of animal population

The only place on Earth without insects is the ocean.



One of the largest cicada broods, Brood VI, has a periodic life cycle and spends **17 years underground between outbreaks**. The brood is projected to surface in 2034.

## Your Task: Predict a Population

You and your classmates will analyze a model for population growth and determine how increases in the rate of reproduction affect an insect population.

