

## Problems

6. How could this predator-prey method be used to model the spread of a disease, such as measles, SARS, ebola, or the flu, in a large population center?

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7. Describe at least three predator adaptations that make hunting easier. Articulate three adaptations of prey that help them escape predation.

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8. Are parasites predators? Explain.

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9. In this investigation you examined only the simple relation between changing prey populations and the number of predators. What other variables affect the number of predators and prey in a population? Describe four other possible factors.

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10. Describe an example of a predator being used to control a prey population that is considered a pest. Explain scientifically why you believe this is a good idea or not.

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### Extension

There are several computer simulations of various predator-prey systems. Find one and play it. Describe how the results of your model simulate results from computer models.