

Enough is Enough

Real World Ecosystems
Learner Worksheet
Grade Level: 5-8



Name:

After reading the Enough is Enough Backgrounder, answer the following questions.

1. Write a definition of population, and provide an example.

2. Can you think of examples of animals besides frogs and grasshoppers that reproduce rapidly?

3. What are the main reasons why the population of house mice “exploded” in Australia?

4. What is emigration and how does it affect the population of animals?

5. A biologist is studying a species of fish that lives in a shallow lake. She uses a net to capture 220 fish, which she marks using a harmless fin tag. She then releases the fish back to the lake. A month later, she returns and uses the same net to catch more fish. She gets a total of 464 fish, 13 of which have her fin tag. Based on this information, how many fish live in this lake?

6. The same biologist knows that the lake covers an area of 1,500 hectares. Based on the population estimate she made earlier, what is the density of this fish species on a per hectare basis?

7. What is the difference between “extinction” and “extirpation”?

8. Describe the work of a wildlife manager. What do wildlife managers do, and what methods do they use?

9. What happened to the once plentiful northern cod off of Canada's east coast, and what will have to happen before this species can be fished again?
