## Worksheet answers

1. What numbers of each species, and what conditions were needed to produce a balanced food chain?

Answers will vary.

1. Was it easy to balance the food chain? Were you surprised by changes you had to make to balance it? Explain.

Answers will vary.

1. In nature we can’t manipulate numbers of species. What would happen in an area where there were too many quolls for the number of frogs available?

All frogs would be killed by quolls, then quolls would die due to lack of food, assuming there were no other species for them to eat.

1. In this game the number of pieces of popcorn available rapidly decreased during a round. What happens to wildlife in areas where all plants get eaten? For example, after a plague of grasshoppers?

Vegetation is destroyed. This can lead to the death of animals in an area as there is nothing for those at the bottom of the food chain to eat.

1. What impact did the introduction of cane toads have on the number of animals in the other species?

Answers may vary but numbers of quolls should decrease dramatically. This may lead to an increase in the number of frogs that stay alive and a decrease in the number of grasshoppers.