


Name \_\_\_\_\_ Date \_\_\_\_\_

# Causes of Extinction

## Procedure

- 1. Record Data** Use a chart like the one shown below to record your data. You will model what can happen to a herd of 10 woolly mammoths over 40 years. Each roll of a number cube represents what happens to one mammoth in a 20-year period.

Trial	Mammoths at Start of Trial	Mammoths at End of Trial
1		
2		

- 2. Use Models** You and a partner will use different Mammoth Keys. Roll the cube once. Follow the directions on your Mammoth Key for that number. Record what happens to the first mammoth.
- 3. Use Numbers** Roll the cube once for each remaining mammoth. Record on the chart what happens to each animal. Record the total mammoths left in the herd at the end of 20 years (Trial 1).
- 4. Use Numbers** For Trial 2, draw circles to represent the number of remaining mammoths in the herd. Repeat step 3 for the remaining mammoths. Record the total mammoths left in the herd at the end of 40 years (Trial 2).

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## Conclusion

1. **Use Numbers** Share your results with your partner. How does the number of mammoths left in each herd compare?

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2. **Hypothesize** What do the results suggest about how a type of living thing can become extinct, or die off?

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## Ask Questions

### Guided Inquiry

Ask a question about what happened to real woolly mammoths. Based on the activity, **infer** what happened to them. Then, do research to check your inference.

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