

Teacher Guide

Speleologists (Cave Specialists): Mammoth Cave National Park

Covered Concepts:

Reading Comprehension: Sections 1 & 2

Reading a Bar Graph and Multiplication: Section 3

Parts of Speech: Section 4

Section 1: Speleologist

- **Vocabulary:**
 - Speleologists, National Parks, Mammoth Cave National Park, Nonnative Plants, Native Plants
- **Career Highlight:**
 - Students read about the role of a speleologist.
- **Content Check:**
 - Students answer questions about speleologists.

Section 2: Mammoth Cave National Park

- **Learn:**
 - Students will read about Mammoth Cave National Park, a national park located in Kentucky.
- **Content Check:**
 - Students answer questions about Mammoth Cave National Park.

Section 3: Math Practice

- Students use a bar graph to answer questions.

Section 4: ELA Practice

- Students learn about parts of speech and write a journal entry.

Teacher Guide: Answer Keys

Content Check: Speleologist

1. What does an speleologist study?

These scientists study caves. They study things such as how the caves form, the animals that live there, and the fossils that are found.

2. What are two responsibilities that a speleologist might have?

Answers will vary.

Example answers: Gather information about the cave such as the temperature and humidity and note if there are any changes to the cave., make sure that visitors are not harming the cave when visiting., map the caves.

3. Do you think you would enjoy being a speleologist? Why or why not?

Answers will vary.

Content Check: Mammoth Cave National Park

1. Write a significant event that happened in the history of Mammoth Cave during each year listed below.

1813 to 1814: Enslaved African Americans were forced to mine saltpeter.

1816: The first known tour of the cave.

1838: Stephen Bishop gave his first tour.

1941: Mammoth Cave was made a national park.

2. Animals that live in caves are called troglafauna. These animals can be separated into the three groups listed below. Write at least one animal that belongs to each group.

Trogloxene: Answers Vary. Bats, cave salamanders, birds, raccoons, and pack rats.

Troglophile: Answers Vary. Earthworms, beetles, the sculpin, and cave crickets.

Troglobite: Answers Vary. Cave millipedes, Kentucky cave shrimp, blind cave fish, and blind salamanders.

Teacher Guide: Answer Keys

Math Practice

Monday: Gabe saw half as many salamanders than you.
He saw 5 salamanders on Monday.

Tuesday: Gabe saw the same amount of salamanders as you. He saw 9 salamanders on Tuesday.

Wednesday: Gabe saw three times as many salamanders as you. He saw 9 salamanders on Wednesday.

Thursday: Gabe saw two fewer salamanders than you.
He saw 3 salamanders on Thursday.

Friday: Gabe saw four times as many salamanders as you.
He saw 8 salamanders on Friday.

ELA Practice

Answers will vary.