

NATURE'S MYSTERIES

Lesson Plan

Where's the Water?

Lesson Plan for *Yellowstone's Boiling River*

Grade 3

Objective

To help students practice using maps and keys to answer questions about Yellowstone National Park.

Things Needed

- *Yellowstone's Boiling River* book or ebook
- Access to the "Yellowstone's Boiling River" web page on the Pop! website:
<https://popbooksonline.com/natures-mysteries/boiling-river>
- Where's the Water? worksheet (attached)

Before the Activity

Print out a worksheet for each student, or email the worksheet to students. Read *Yellowstone's Boiling River* as a class. Open the "Yellowstone's Boiling River" web page in your internet browser. Pull up the "Explore Links" tab and click the link for the NPS web page, "Waters of Yellowstone." This page can also be found here: <https://www.nps.gov/yell/learn/nature/water.htm>

Activity

Yellowstone National Park is famous for its hot springs and geysers. Display the map on page 7 of the book. This map shows the locations of some of the park's main features. Students should use this map to answer the first five questions on the Where's the Water? worksheet.

Yellowstone National Park also has many rivers, lakes, and streams. To learn more about these features, pull up the "Waters of Yellowstone" web page and scroll down to the "Lakes" section. Display the map of the park's watersheds. Explain that a watershed is an area that drains water into a certain river. Any rain, snow, or melted ice in the area will flow into that river. On the map, each watershed is a different color. Students should use this map to answer the last five questions on the worksheet. North is the same direction on this map as the map in the book.



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Evaluation

After students have recorded their answers, use the attached answer key to reveal the answers and have students correct their work. Then collect the worksheets to check and record each student's score, awarding 1 point per correct answer, for up to 10 points.

Standards

This lesson plan may be used to address the Common Core State Standards' reading standards for informational texts, grade 3 (RI 3.7).



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Where's the Water?

Use the map on page 7 to answer the following questions:

1. Which of the park's features is the furthest north?
 - A. Mammoth Hot Springs
 - B. Natural Hot Tub
 - C. Old Faithful

2. Which feature is located the furthest south?
 - A. Mammoth Hot Springs
 - B. Natural Hot Tub
 - C. Old Faithful

3. Which feature is located along the Yellowstone River?
 - A. Mammoth Hot Springs
 - B. Canyon Village
 - C. Old Faithful

4. In which state is Yellowstone Lake located?
 - A. Idaho
 - B. Wyoming
 - C. Montana

5. Which two states does the Yellowstone River flow through?
 - A. Montana and Wyoming
 - B. Montana and Idaho
 - C. Idaho and Wyoming



Use the map of the park's watersheds to answer the following questions:

1. Which of the park's four watersheds is the smallest?

- A. Missouri River
- B. Shoshone River
- C. Yellowstone River

2. In which watershed is Yellowstone Lake located?

- A. Shoshone River
- B. Missouri River
- C. Yellowstone River

3. Which of the park's lakes is the largest?

- A. Yellowstone Lake
- B. Shoshone Lake
- C. Lewis Lake

4. Which of the park's rivers extends the furthest west?

- A. Madison River
- B. Yellowstone River
- C. Lamar River

5. Which river is the furthest north?

- A. Fishhook River
- B. Gardner River
- C. Snake River



Where's the Water? **ANSWER KEY**

Use the map on page 7 to answer the following questions:

1. Which of the park's features is the furthest north?
 - A. Mammoth Hot Springs
 - B. Natural Hot Tub**
 - C. Old Faithful

2. Which feature is located the furthest south?
 - A. Mammoth Hot Springs
 - B. Natural Hot Tub
 - C. Old Faithful**

3. Which feature is located along the Yellowstone River?
 - A. Mammoth Hot Springs
 - B. Canyon Village**
 - C. Old Faithful

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 - A. Idaho
 - B. Wyoming**
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