



# Yellowstone National Park

## Geology Lesson

### Post-Assessment

Name: \_\_\_\_\_

Date: \_\_\_\_\_

What two U.S. states could fit in the boundaries of Yellowstone National Park?

What is the difference between a shield volcano and a cone volcano?

Draw one of each.

Shield

Cone

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Break down the word hydrothermal and explain what each part of the word means.

Hydro

Thermal

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List the four kinds of hydrothermal features that can be found in Yellowstone. Circle your favorite one and explain why it is your favorite.

1.

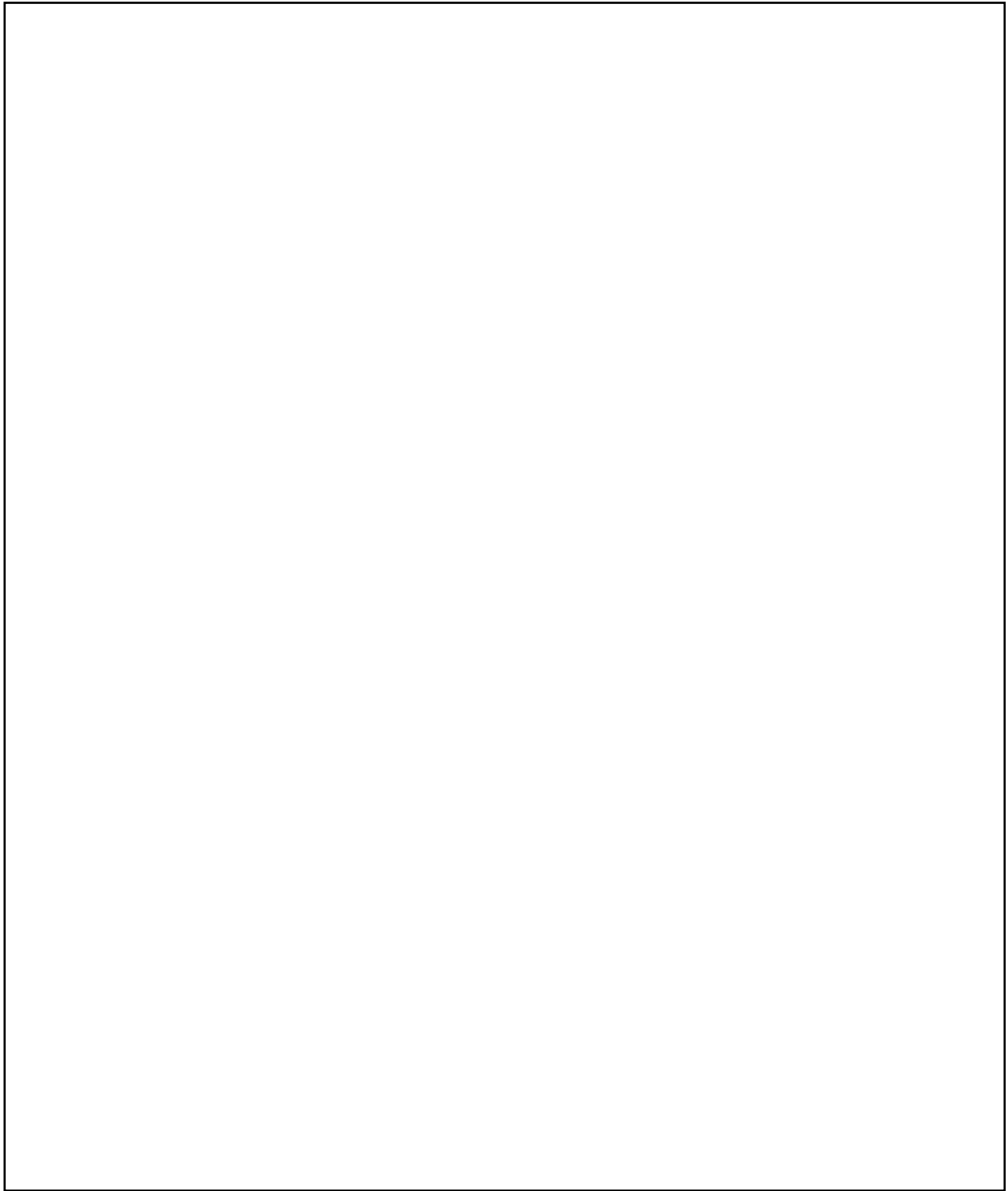
2.

3.

4.

Hydrothermal features can reach temperatures of 200° Fahrenheit. Use this formula to determine what that temperature is in Celsius:  
Subtract 32, multiply by 5, then divide by 9.

Draw one of the four hydrothermal features found in Yellowstone. Include the underground plumbing system. Label each part of the feature's plumbing.



## Volcanic Vocabulary

Write the definitions for each term below.

<b>Shield Volcano:</b>
<b>Cone Volcano:</b>
<b>Hotspot:</b>
<b>Caldera:</b>
<b>Magma:</b>
<b>Earthquake:</b>
<b>Hydrothermal:</b>
<b>Thermophiles:</b>