



**SCIENCE OLYMPIAD**  
— AT THE —  
**UNIVERSITY OF FLORIDA**

Northern Regional: January 19<sup>th</sup>, 2019

# Road Scholar B Test

**Name(s):** \_\_\_\_\_

**Team Name:** \_\_\_\_\_

**School Name:** \_\_\_\_\_

**Team Number:** \_\_\_\_\_

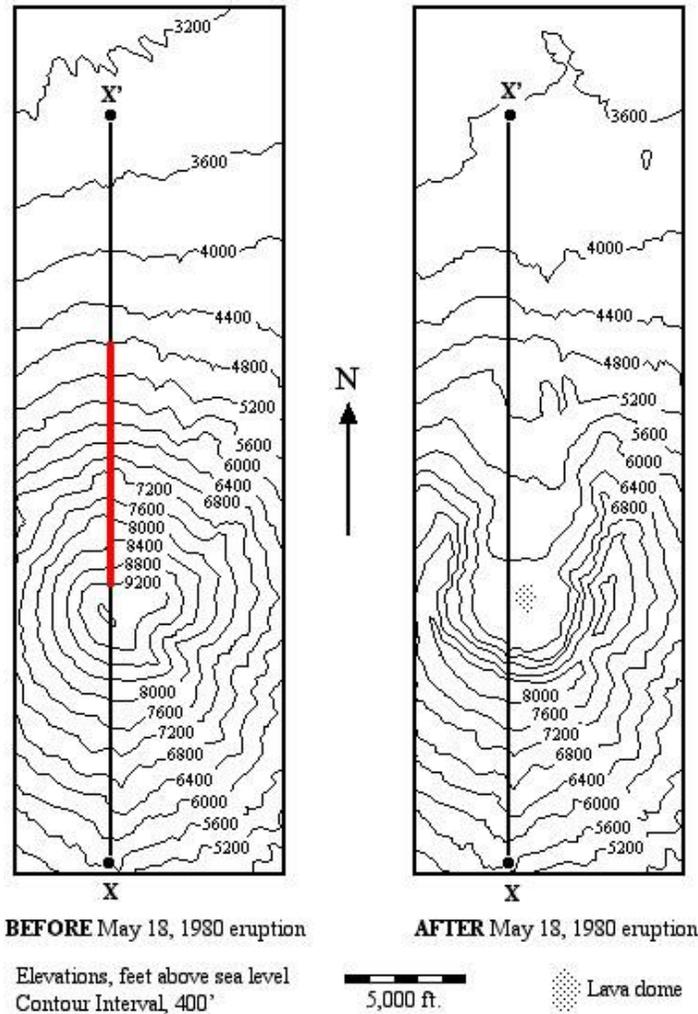
**Rank:** \_\_\_\_\_

**Score:** \_\_\_\_\_

## ROAD SCHOLAR B

*This exam consists of a combination multiple choices and written responses. Take your time answering the questions, and please answer the written response questions as thoroughly and clearly as possible. You may NOT write on this test; however, you are allowed to write on the answer sheet as much as you please. Lined paper will be provided for written response. If you need more paper, please ask a supervisor.*

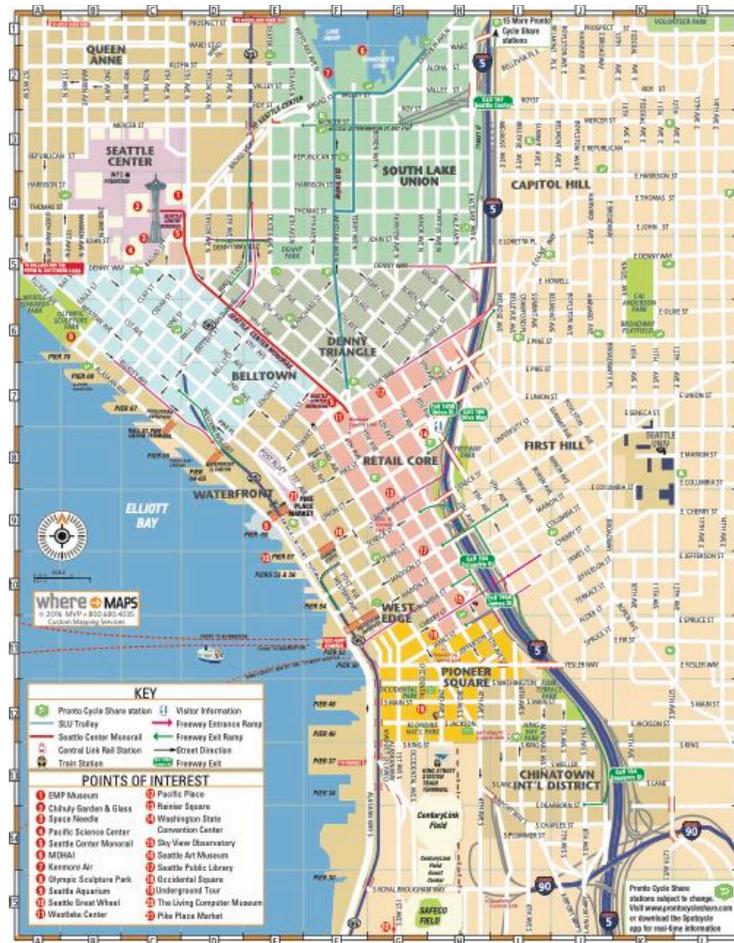
### Mount St. Helens



### Mount St. Helens

On May 18, 1980, Mount St. Helens erupted.

1. How did the shape of the volcano change? (3pt)
2. Did the distance between X and X' increase, decrease, or remain the same after the eruption? (2pt)
3. **What is the length of the red bar in feet? (5pt)**
4. What formed in the middle of the mountain? (2pt)
5. What type of maps are these? (3pt)
6. What are these maps used for, in general? (4pt)



**Seattle, WA**

You are a student at Seattle University. Your family comes into town, and you decide to take them to see the Space Needle.

- 7. What number is the landmark for the Space Needle? (2pt)
- 8. What neighborhood are you travelling to? (2pt)

Everyone decides that taking public transportation would be quicker than driving, so your family decides to walk to the monorail. You leave campus and head SE on Madison St.

- 9. What avenue do you turn on to arrive at the Seattle Center Monorail? (3pt)
- 10. **How many miles will you be on the monorail for?** (5pt)

After the Space Needle, your aunt says she wants to visit the bay.

- 11. What is the name of the bay? (3pt)
- 12. What is the closest pier to the Space Needle? (3pt)

It is time for your family to head home. They live north of you.

- 13. Which interstate does your family take to get home? (3pt)



### Wisconsin/Illinois Border

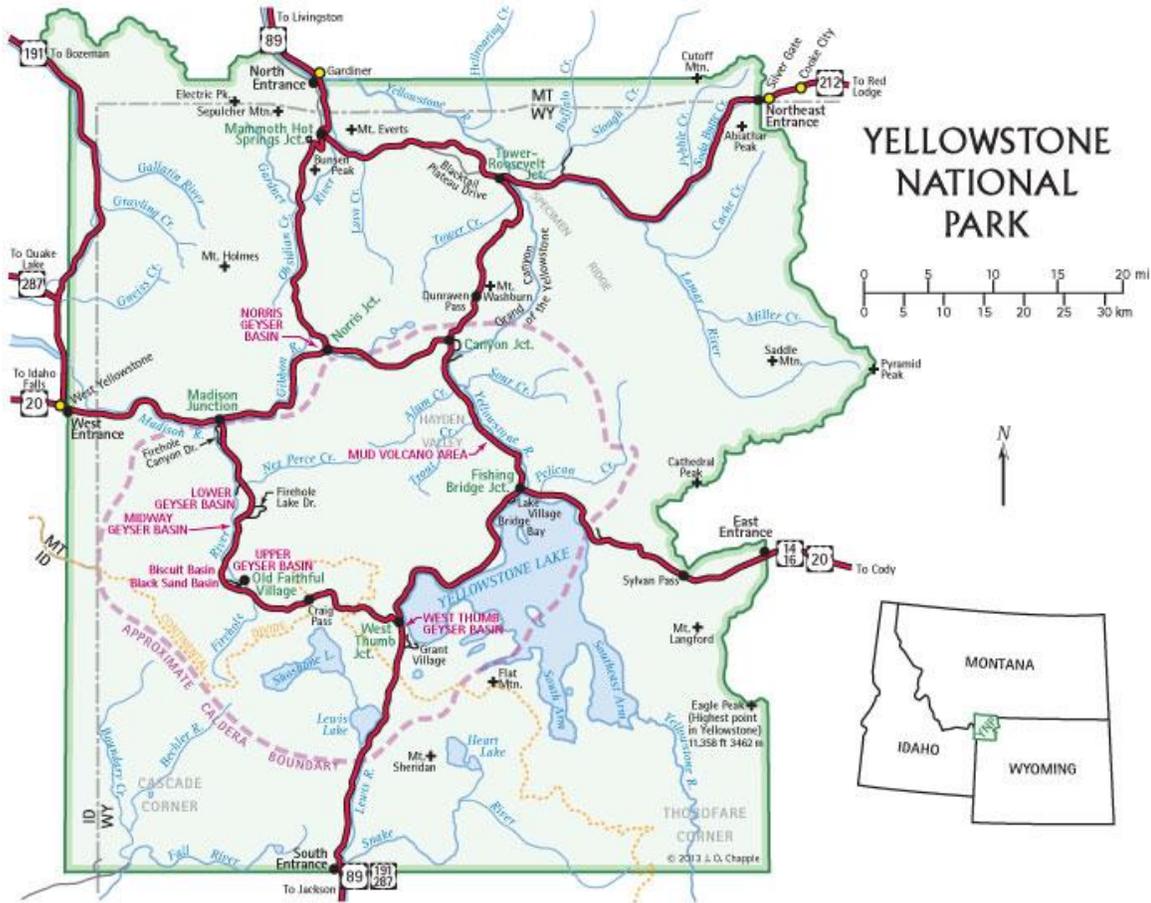
There is a river that flows between Wisconsin and Illinois.

14. What is the name of the river? (3pt)
  - a. Yellow
  - b. Richland
  - c. Mineral Point
  - d. Pecatonica
15. is the stream gage in Illinois found in? (3pt)
  - a. Green
  - b. Layfayette
  - c. Stephenson
  - d. Winnebago

You are feeling adventurous and decide to kayak along one of the creeks from Illinois to Wisconsin.

16. Which creek would you kayak? (3pt)
  - a. Yellow Creek
  - b. Richland Creek
  - c. Mineral Point Branch
  - d. Pecatonica Creek
17. What direction is Darlington, WI in relation to the end of the creek you kayaked? (3pt)
  - a. North
  - b. East
  - c. South

d. West



**Yellowstone National Park**

On your way back to Florida from Seattle University, you take a small detour to Yellowstone National Park.

- 18. What state is the national park primarily in? (3pt)
- 19. Which other states surround the park? (3pt)
- 20. Name the direction each state is found in relation to the park. (3pt)

The roads in the middle form a figure eight, which is referred to as the Grand Loop.

- 21. Name 4 landmarks along this loop. (3pt)
- 22. What is the approximate length, in miles, of the loop if driving in one continuous line? (5pt)

While in the park, you wish to go hiking on one of the mountains. You do not want to go too far out of the way, though, and only drive starting at Road 20 from the west to Road 89 to the south.

- 23. Draw the symbol that represents a mountain on the map. (3pt)
- 24. Name the highest peak in Yellowstone Park. (3pt)

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**25. Which mountain is along your route? (5pt)**