

Attachment B: Firehole in the Classroom Worksheet

1. List two locations through which the Firehole River passes

a. _____

b. _____

2. List two ways the water in the Firehole River is affected as it passes through the geyser basins.

a. _____

b. _____

3. Temperature of cold water sample: _____ degrees Fahrenheit

4. Convert the temperature in Question 3 into Celsius in the space provided below:

Answer: _____ degrees Celsius

5. Temperature of sample after hot water addition: _____ degrees Celsius

6. Convert the temperature in Question 5 into Fahrenheit in the space provided below:

Answer: _____ degrees Fahrenheit

7. What is the pH of the sample prior to the addition of baking soda? _____

8. What is the pH of the sample after the baking soda is added? _____

9. The baking soda has made the water more (circle one)

alkaline

acidic