Name:

 Date:

DNA Sequencing: Challenge

Go to:

http://discoveringthegenome.org/discovering-genome/dna-sequencing/challenge

Before you begin, read the website page, and when you’re ready, click on the image to start the slides. (The slides are not timed; to advance to the next slide, you will click on the current slide.)

For each slide, collect your data by recording the colors and their spatial positions in order of appearance in a table.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Next, analyze your data by answering the following questions:

1. How many different spatial positions did you find? What does this number tell you?

2. How many cycles of the 4 colors were there? What does the number of cycles tell you?

3. What does the sequence of colors at their different positions tell you?

Conclusions:

What are the sequences of your strings?