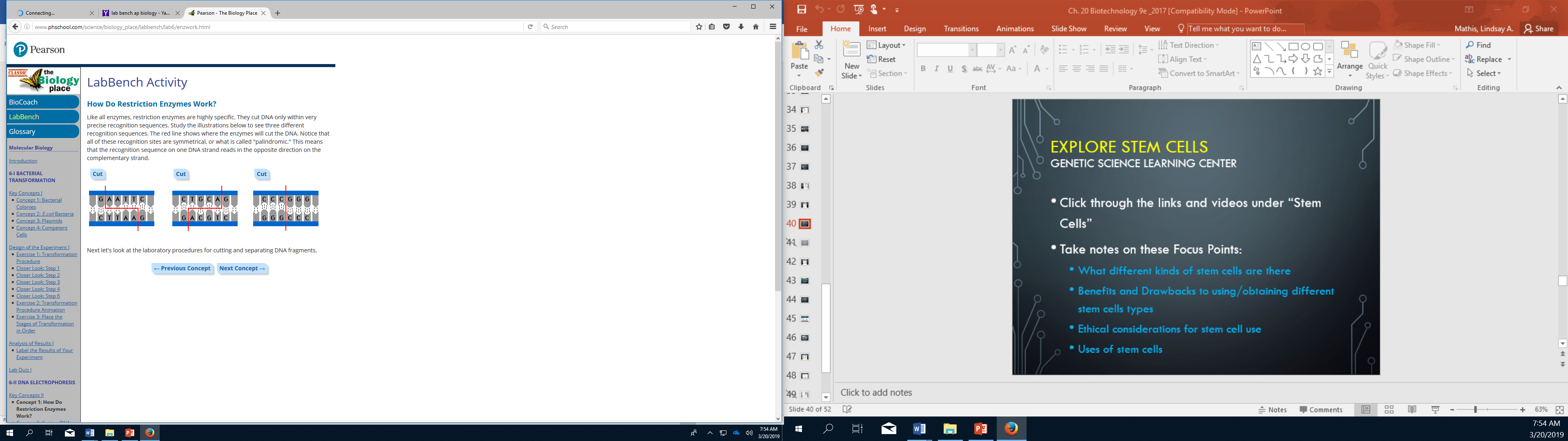
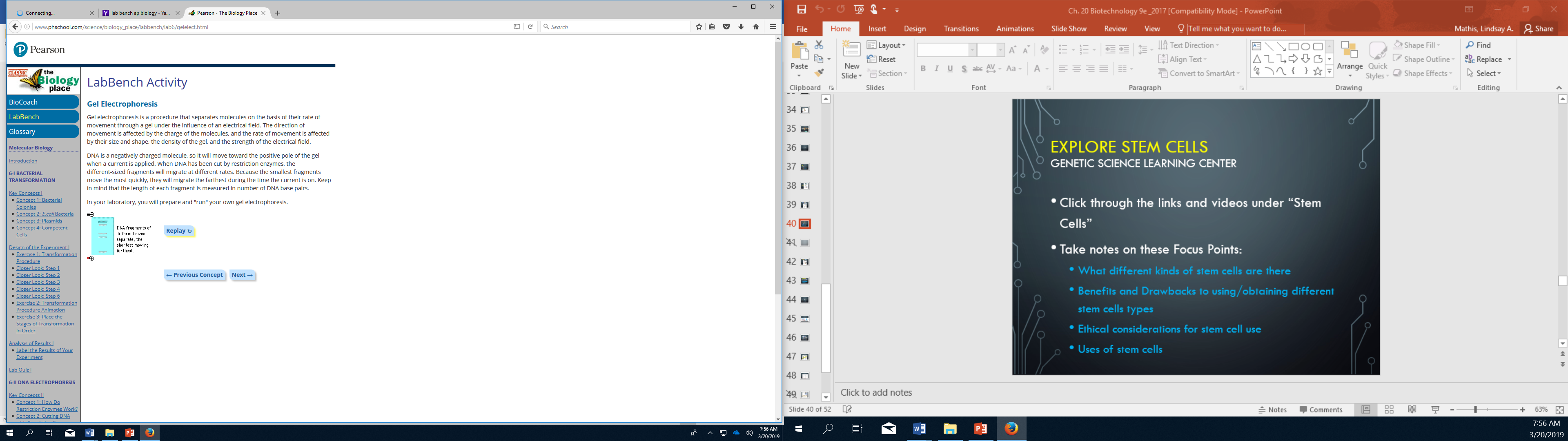
**Pearson Lab Bench 6-2: DNA Electrophoresis**

**Key Concepts II:**

1. What is another name for a restriction enzyme?
2. How do restriction enzymes know where to “digest” the DNA?
3. As you read, you learned that restriction recognition sites are palindromes. Write out a sample double-stranded recognition site:
4. Which restriction enzymes created the useful “sticky ends”? Circle *and* name the enzyme.

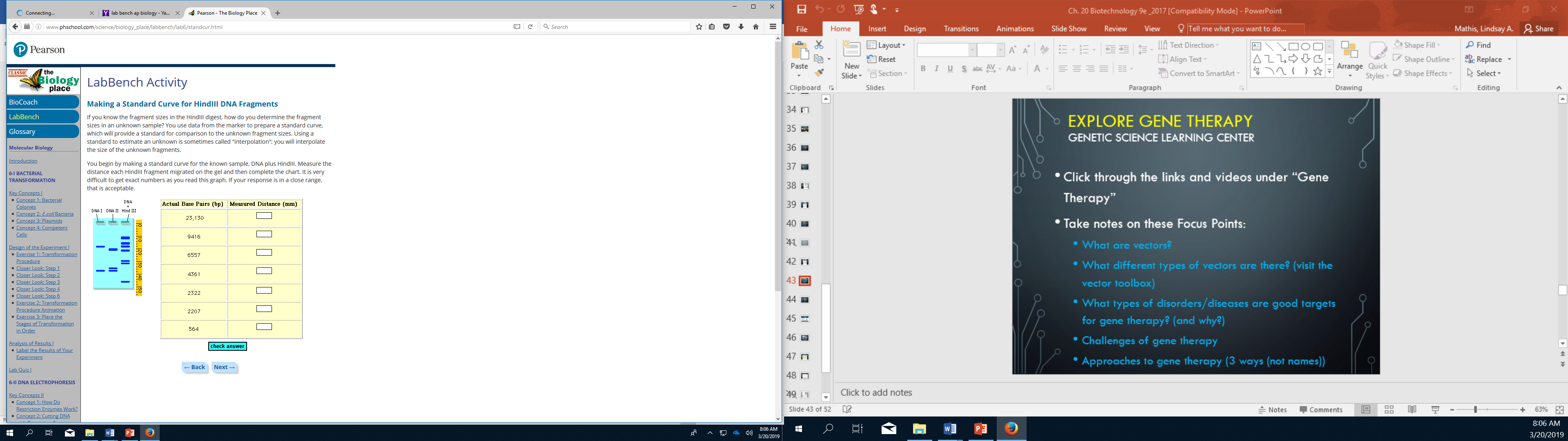


1. On a gel electrophoresis, DNA is separated by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Circle the band that represents the shortest DNA fragment below.



**Design of the Experiment II**

1. Read the procedure. Then record your measurements below.



1. Describe/explain how to create the standard curve.

