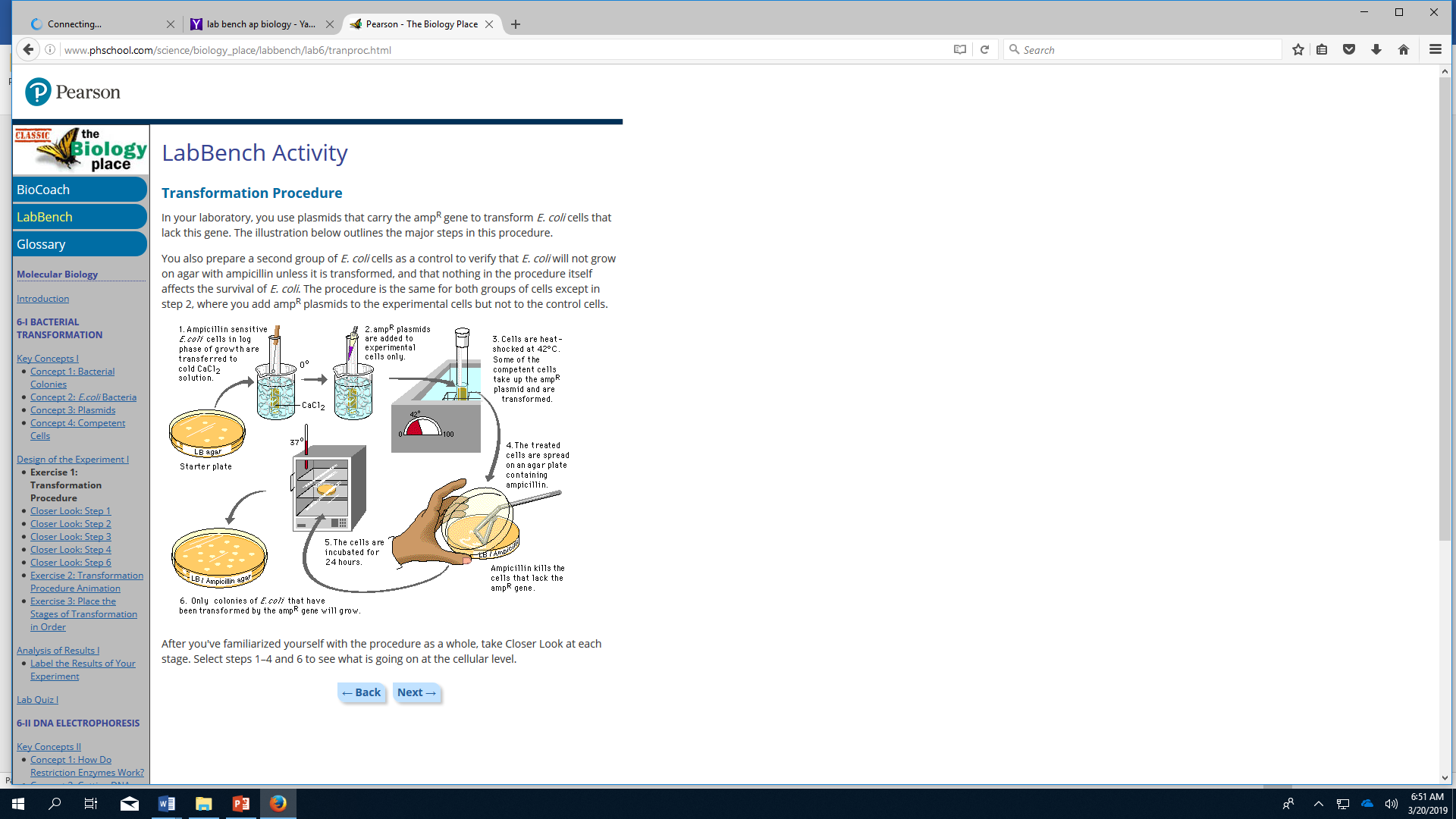
**Pearson Lab Bench 6-1: Bacterial Transformation**

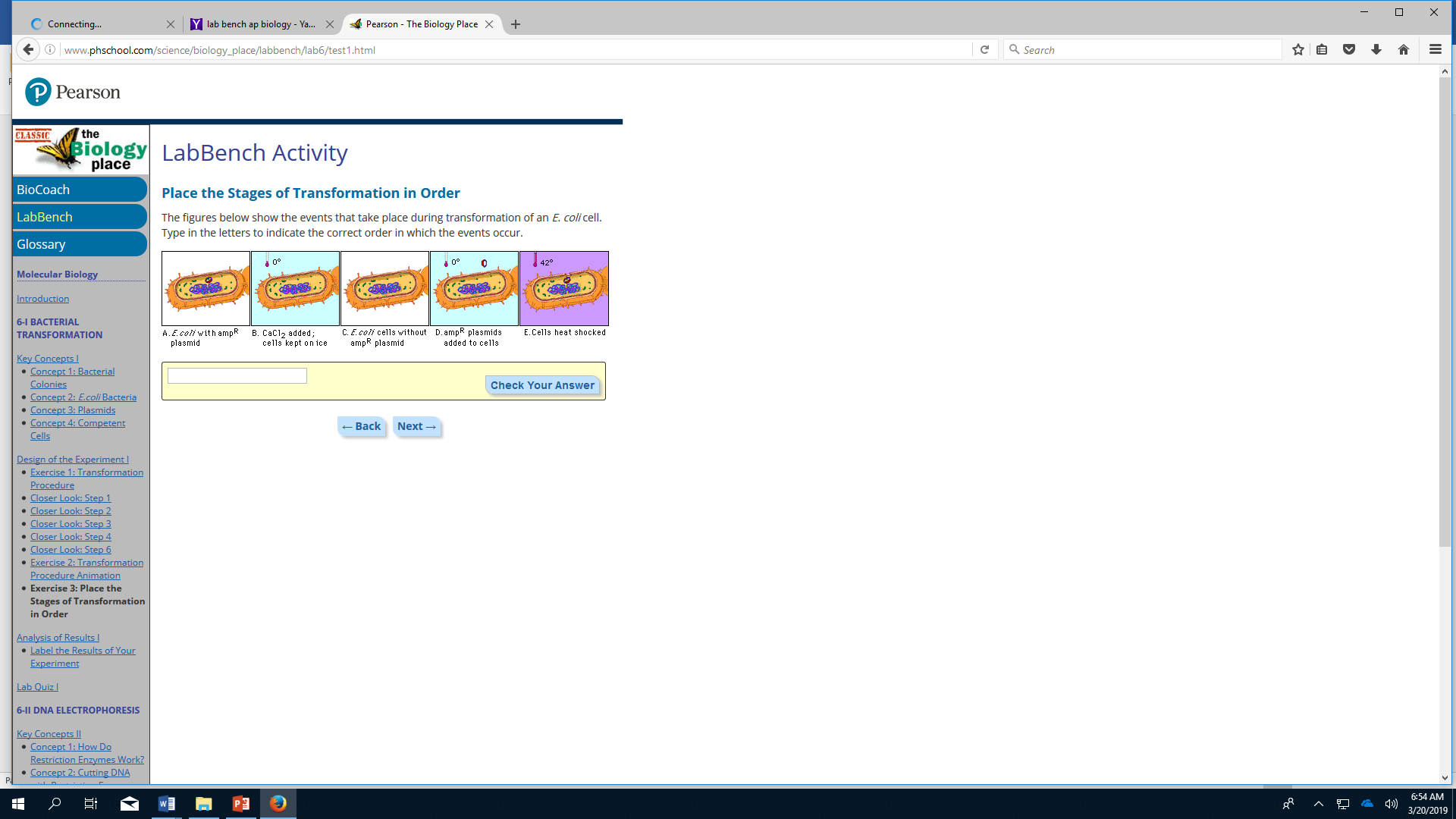
**Key Concepts:**

1. *True or False*: A bacterial colony is a single bacterium.
2. What is the purpose of LB agar?
3. What is ampicillin?
4. *True or False*: For cells to be made competent, they should be actively dividing.
5. What phase of cell growth should the E. coli cells be in for this lab? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why?

**Design of the Experiment: Transformation Procedure**

1. Why will normal E. coli not grow on agar with ampicillin?



1. Record the correct letter sequence for the procedure:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Select the correct answers:

