

## Virtual Lab: Bacterial Transformation

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Go to:

[http://www.classzone.com/cz/books/bio\\_07/resources/htmls/virtual\\_labs/virtualLabs.html](http://www.classzone.com/cz/books/bio_07/resources/htmls/virtual_labs/virtualLabs.html),  
then pick “ Bacterial Transformation.”

*Read the Problem.*

1. How did transformation create better insulin?

*Follow the steps and answer the questions below.*

2. Explore the science lab and list the function of the following items:

- a. E-Coli plasmid-

- b. Warm water bath-

- c. Calcium Chloride-

3. Write your prediction below and in the notebook. Follow the steps of the procedure and then record your results below.

	1	2	3	4
Conditions	Control w/ E. coli + amp <sup>r</sup>	Agar + Amp with E coli +amp <sup>r</sup>	Control Agar w/ E. coli – amp <sup>r</sup>	Agar + Amp with E. coli - amp <sup>r</sup>
Growth predictions				
Growth Results				

