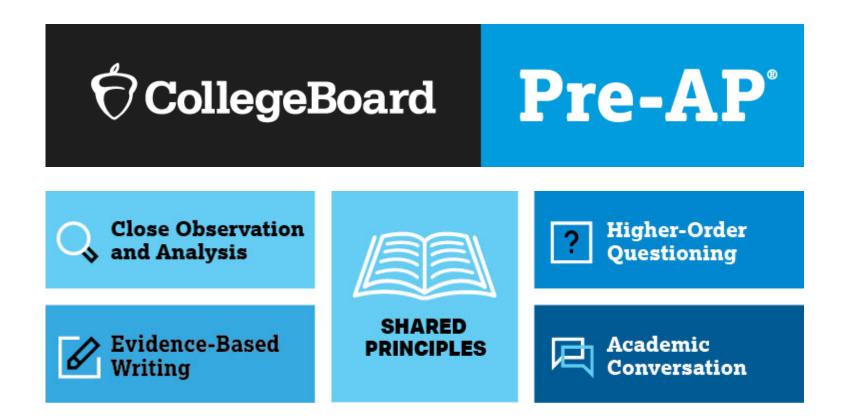
## ABE, Differentiation & Low Socioeconomic Communities

Dr. Urlette Reyes B.S.Ed.D

# **PBL:** Engagement, Skill Building and an introduction to Rigor.



#### College Board



#### Viral Variants

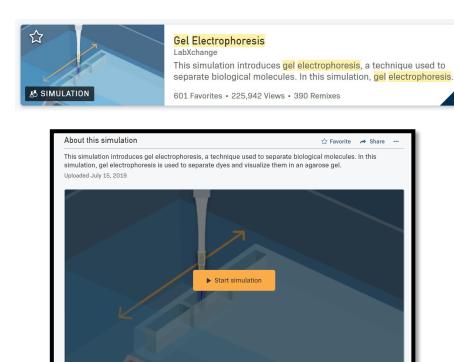


#### Lesson 6 PBL: Viral Variants

(Hands-on or Virtual Time commitment = 1-2 class sessions) (Hands-on AND Virtual Time commitment = 3-4 class sessions)

## Introduction to Gel Electrophoresis – LabXChange

Log into your LabXChange Account We will get familiar with the process of Gel Electrophoresis with a lab simulation.



Created with support from AMCEN' Foundation

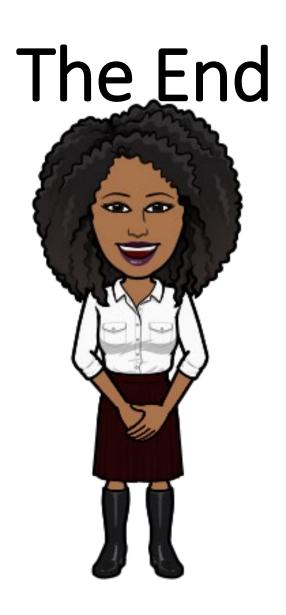
We will use the lab book within the simulation in addition to writing up our own lab report. Click the image below to access the activity write up and simulation guide.

#### Amgen Lab 1 – Intro to Biotechnology on LabXChange Pre-Lab 1. Contex a. Purpose: Why are we doing this simulation b. Checking for understanding questions What charge does DNA carry? How does size effect the movement of molecules through the gel? 2.Material Click on each image to learn about the materials used in a gel electrophoresis lab. a. What are the categories listed for the types of materials used 3 Predictions a. Draw out your prediction for the movement of the vellow blue and purple dve OR take a screen shot of your prediction you made in lab exchange and paste it here Lab Simulation 4 Protocol a. Read through the protocol follow the directions and complete the lab simulation

When moving items (for example microfuge tubes) the plus sign indicates where the microfuge tube will go. Focus on the placement of the plus sign not the tube itself. Close the lab notebook using the arrow in the upper right to access the trash.

Simulation tip







https://bit.ly/PBLViralVariants



