

Objective: In this virtual lab, you will identify the resources and process of Gel Electrophoresis.



Introduction:

1. What is Gel Electrophoresis used for?
2. Using the picture to the left, describe how DNA moves through a gel.

Step One: Make the Gel & Step Two: Step up the Gel Apparatus

3. What is buffer and what is it used for?
4. What is the purpose of the "comb?"

Step Three: Load the DNA sample into the Gel



5. Label the following on your bench. Your *Pipette tips (F)* has already been done for you.

- | | | | |
|---|-------|---|-------|
| A | _____ | C | _____ |
| B | _____ | D | _____ |
| E | _____ | | |

6. What are the two major functions of "Loading Buffer?"

1. _____
2. _____

Genetics Utah Answer Key

Zhe Xu



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