# Paste your DNA calculations table below (up to Lab 11)

# Answer the questions about this example gel

## A close-up of a dna test  Description automatically generated

## How many different PCR products were tested?

## Which one was the longest? How long was it in bp?

## Which one was the shortest? How long was it in bp?

## Is the positive or negative end of the current at the top of the gel?

## Describe what will occur if the person running a Gel Electrophoresis accidentally places the electrodes in the opposite direction as required?

## 6. Complete the table below.

|  |  |
| --- | --- |
| Fragment | Fragment Size (bp) |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |

# Answer the questions below about our gel results:

## Were all of our samples amplified in PCR? Why or why not?

## Did we amplify the right gene? Remember we need a 490bp region of the cytochrome b gene. How do you know?

## What did we put in Lane 1? What is it? Why did we include it?

## What did we put in Lane 2? What is it? Why did we include it?

## What did we put in Lane 3? What is it? Why did we include it?

## What did we put in Lanes 4-7?