Running a PCR:

Materials:

-Sterile water

-Forward and Reverse Primers

-DNA template for amplification

-10mM dNTPs

-DNA Polymerase (in freezer)

-Poured gel and gel box

1. Create 20 uM primer stocks by…

2. Create 1:10 dilution of DNA template by…

3. Place gel such that it is lined up parallel to the edge of the box and near the left side (negative side) of the box.

4. Load first lane of the gel with 8 uL of DNA ladder.

5. Load remaining lanes with all 12 uL of dyed sample.

6. Place lid onto box and plug negative and positive terminals into the correct ports.

7. Check to make sure you’re running for 30 minutes, then press “Start” to begin run.