

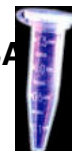
PCR(Polymerase Chain Reaction)

Follow directions carefully and check off each step as you complete it!

Names/numbers: _____

¹ ² ³ ⁴

1. Get your extracted DNA sample and choose the PCR tube **WITH THE SAME NUMBER ON IT!!** This will be your number--write it down! The PCR tube is SUPER SMALL with a rounded top.



2. With a new tip, pipette 20uL of **MASTER MIX** into your **PCR tube**.
Teacher will hold the MASTER MIX-line up to get it one at a time.

3. Once everyone has gotten MASTER MIX, teacher will switch to **PRIMER MIX**. With a new pipette tip, pipette 20uL PRIMER MIX into your **PCR tube**. Teacher will hold the PRIMER MIX-line up to get it one at a time.

4. With a new pipette tip, add 10uL of your DNA from the small white eppendorf tube to the PCR tube. Slowly pipette up and down several times to mix the solutions together.

5. Close the PCR tube and put it into the thermocycler, matching your letter and number to the ones on the PCR thermocycler.

6. CLEAN UP: Throw away:
used pipette tips small white eppendorf tube with your DNA

TURN IN THIS PAPER TO TEACHER!