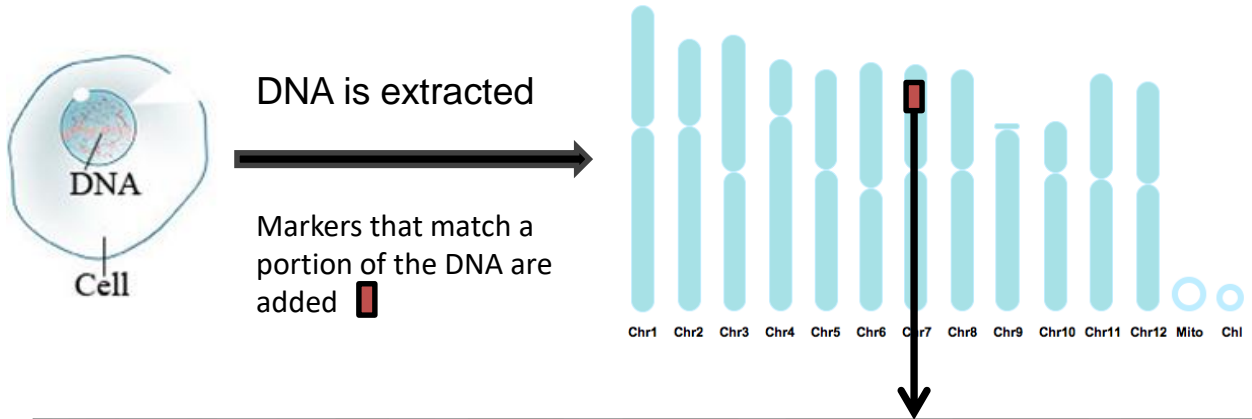


# DNA Amplification and Visualization



Thousands of new copies of DNA identical to the marker region are made during PCR

Red Rice AATCAAGGGGCGGGAAAGGCGCAAGTGGAAACGCGAAAAGTCGGTGCCATCCA  
 White Rice AATCAAGGGGCGGGAAAGGCGCAAGTGGAA\_\_\_\_\_TGCCATCCA  
 14 base pair deletion

Negatively charged DNA starts here

The "ladder" tells us the size of DNA pieces in base pairs.

The brightness of a band tells us there is more DNA.

How big is *Red*?  
 How big is *White*?

220 →  
 170 →  
 160 →  
 150 →  
 130 →  
 100 →

