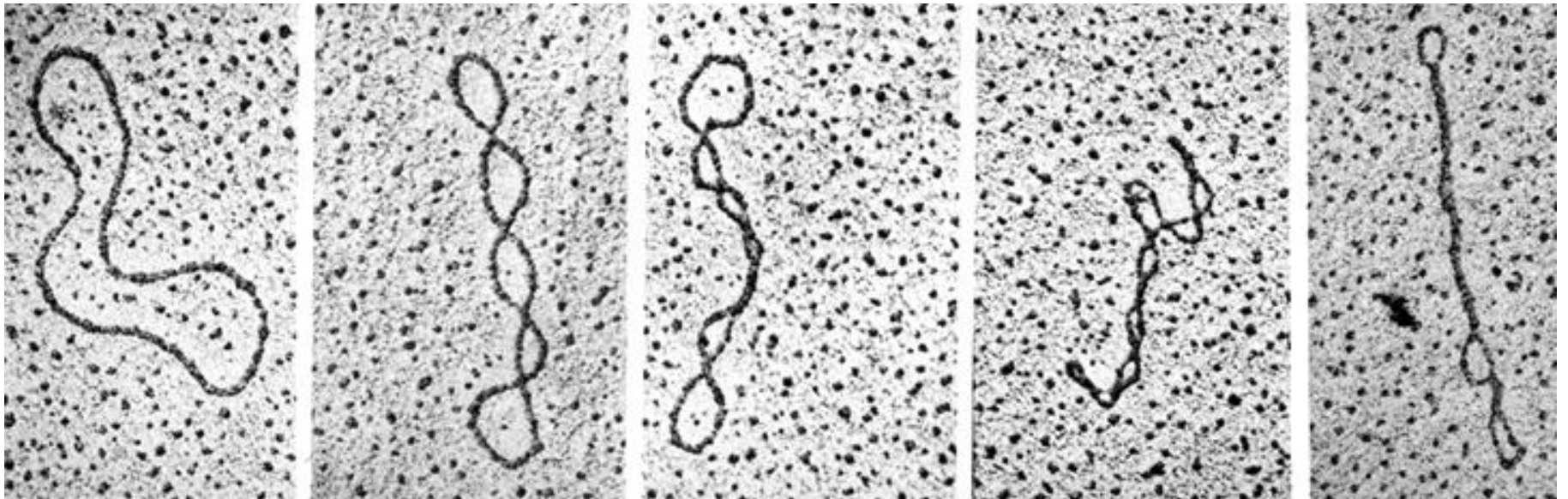
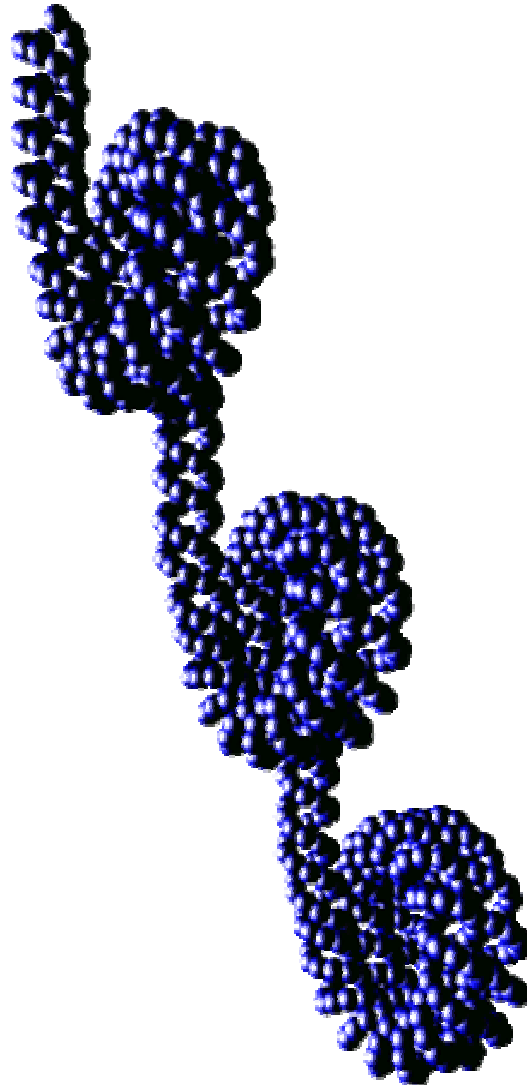


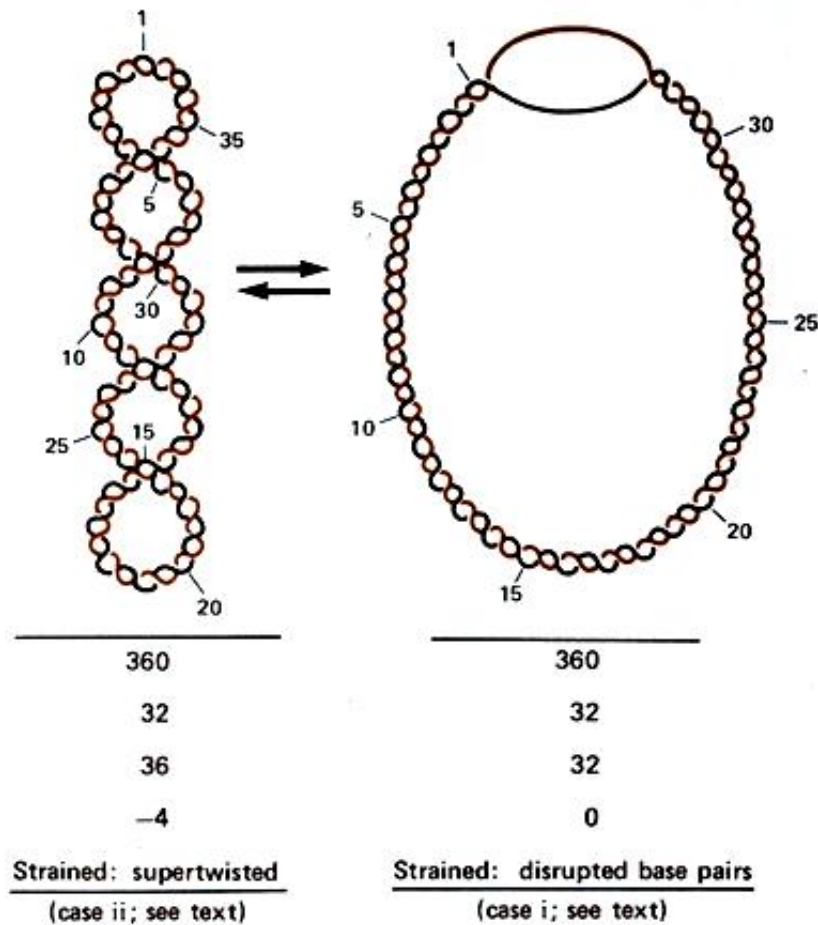
# Supercoiled circular DNA



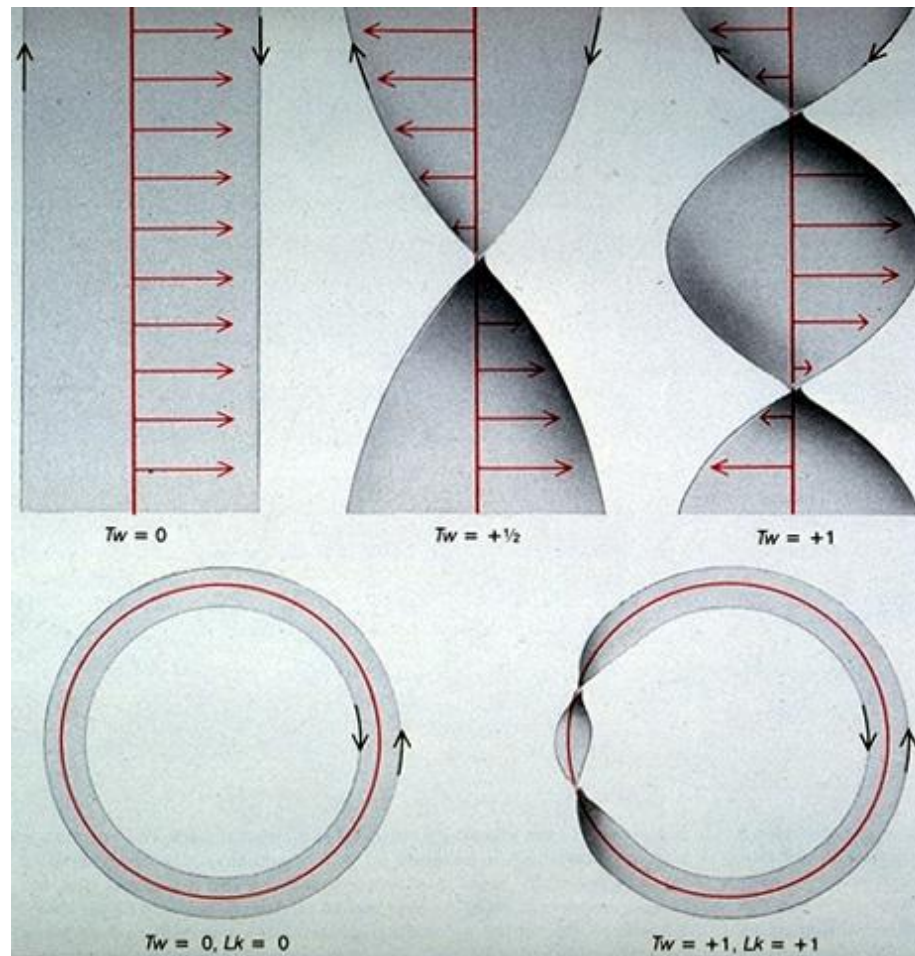
# The chromatin (also supercoiled)

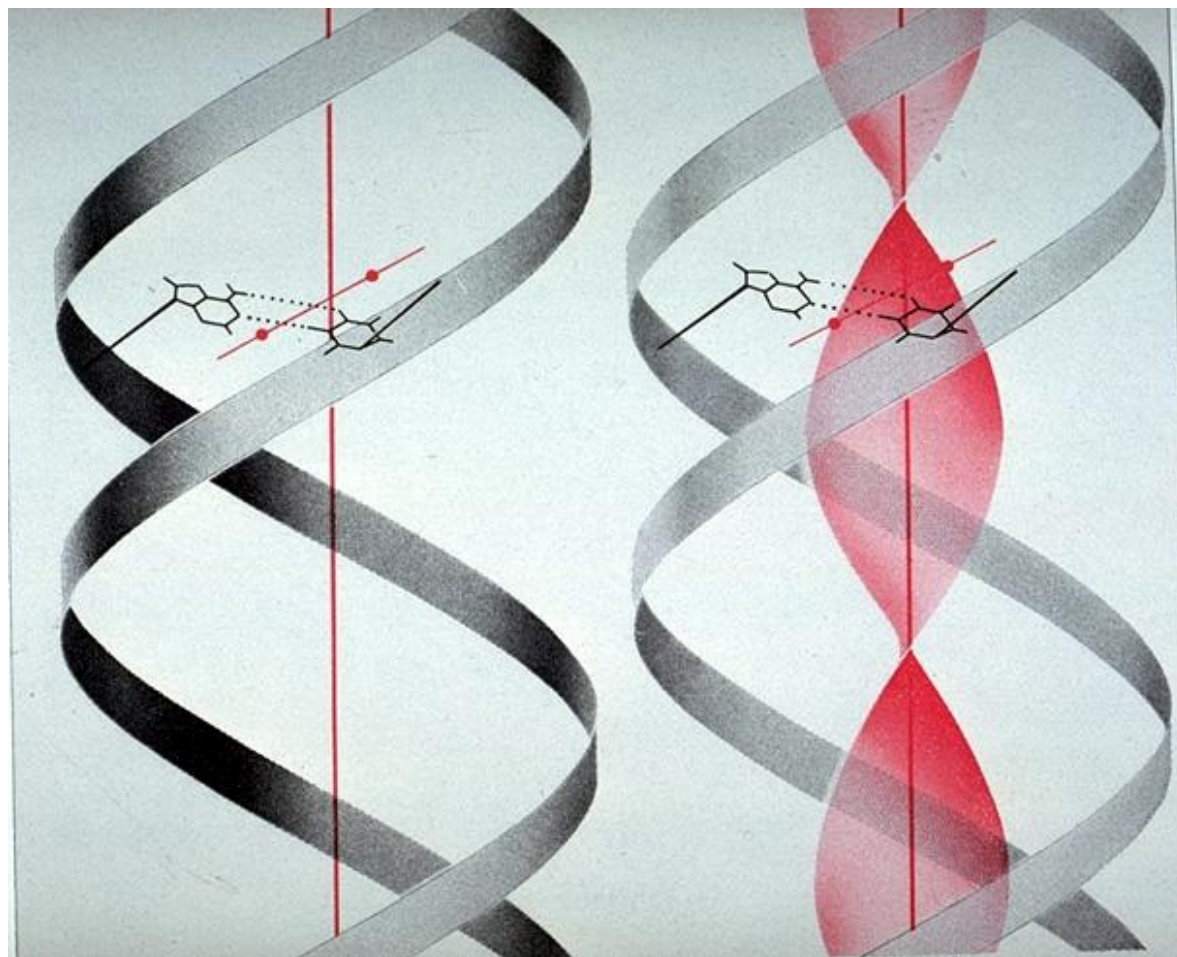


# Two Configurations of the Same Degree of Torsional Strain



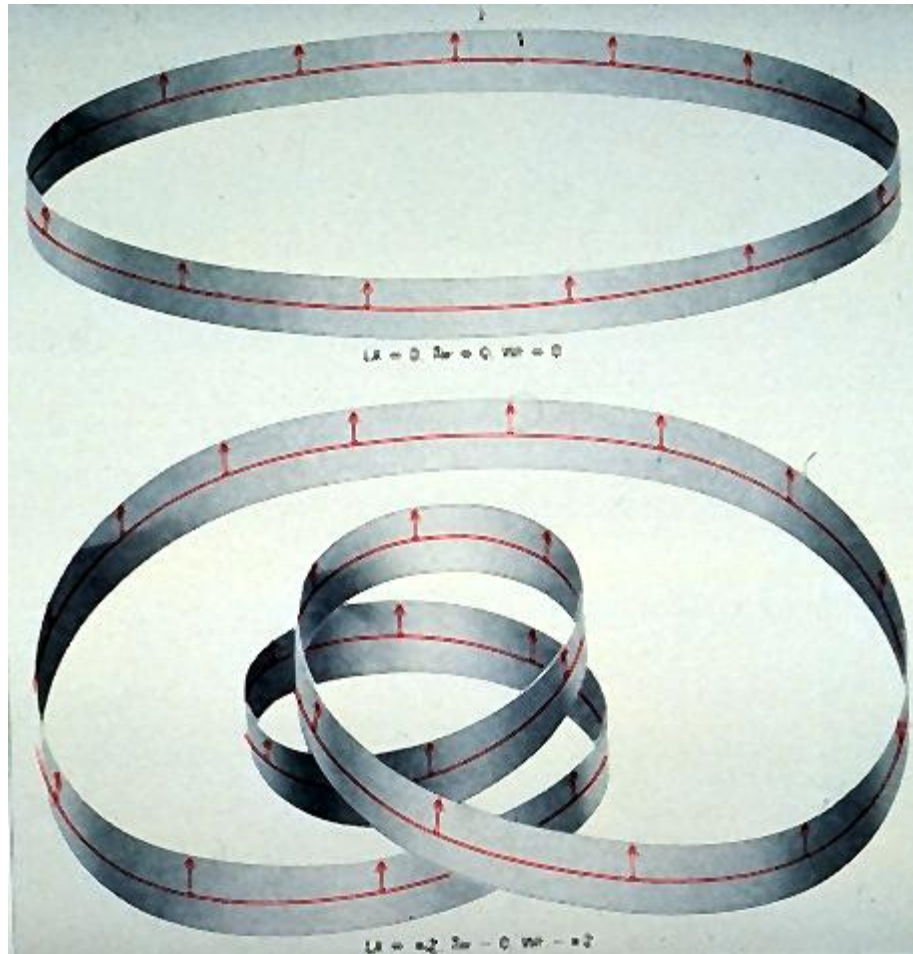
# Twist



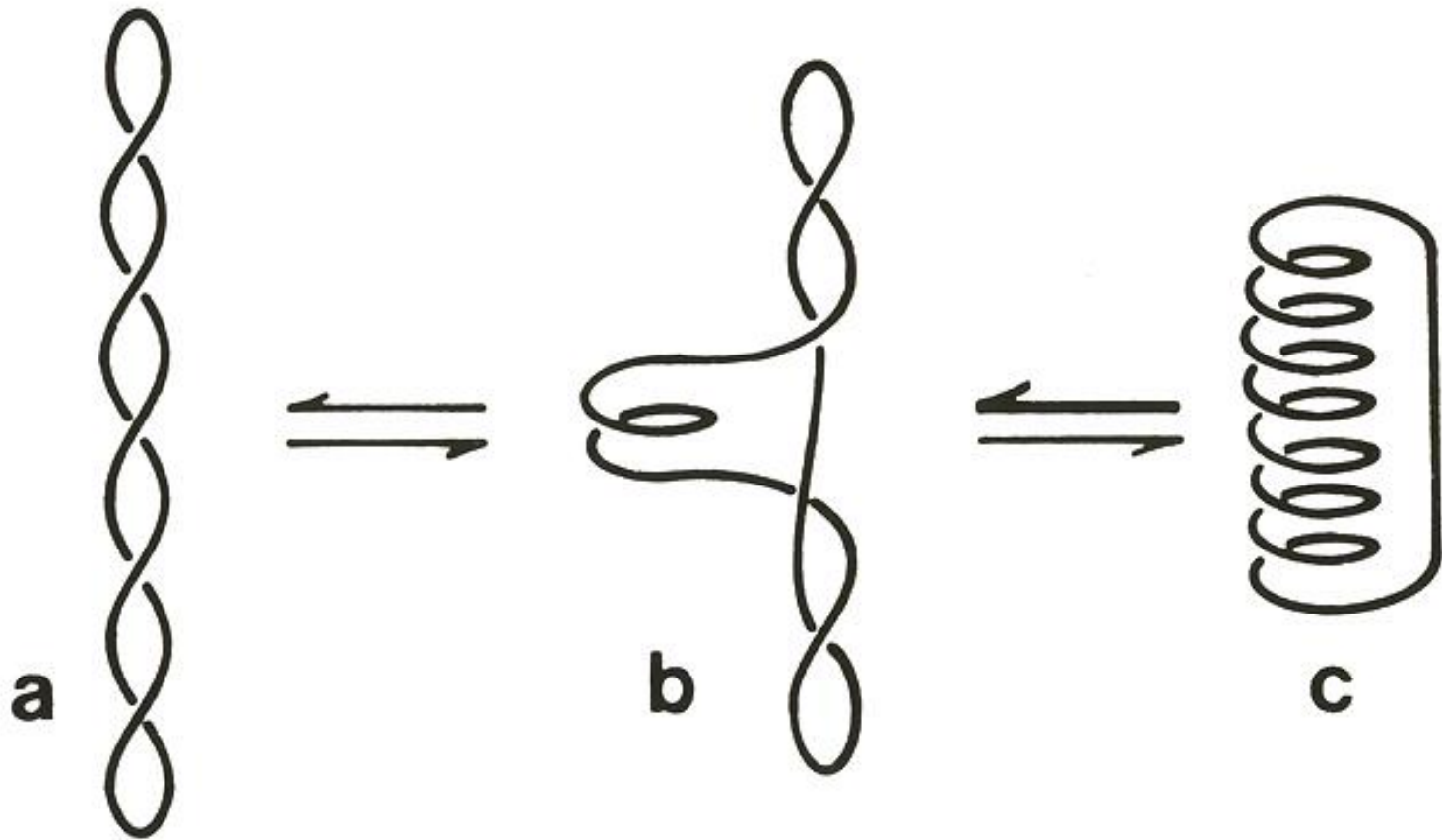




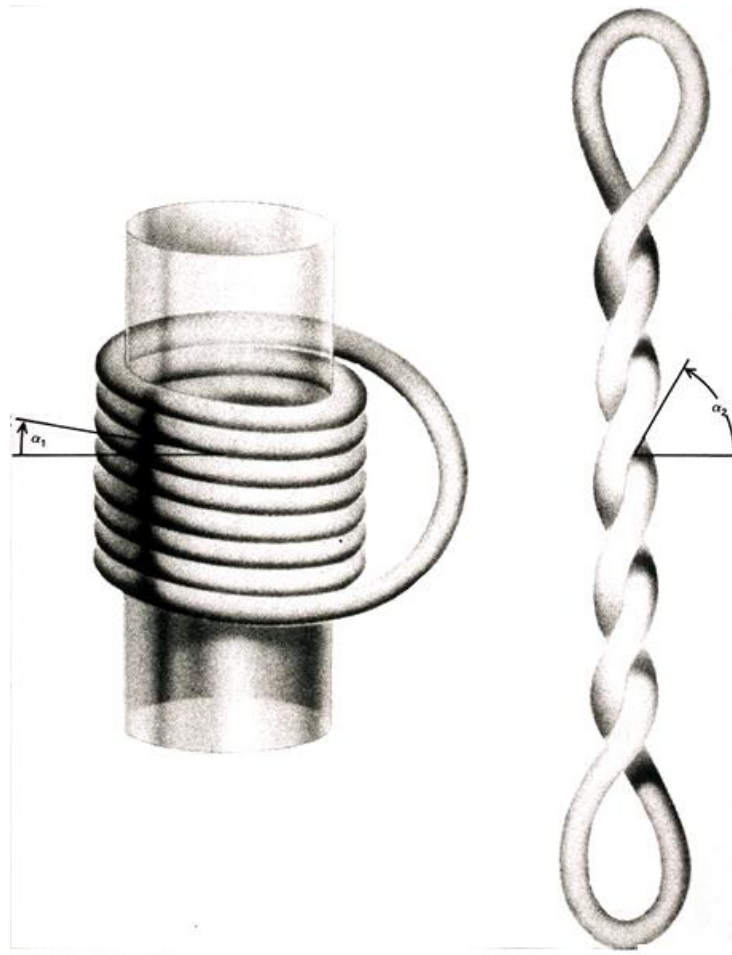
# Writhe



# Interconversion Between Writhe and Twist

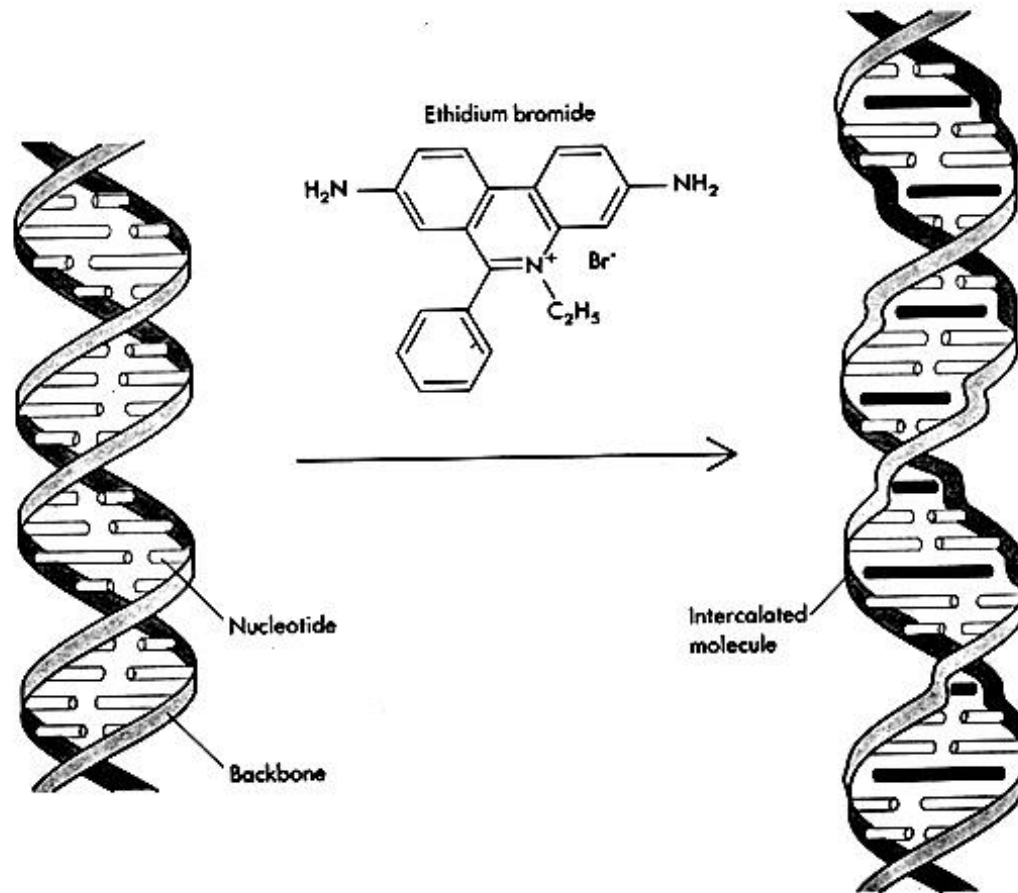


# Writhing to Twisting-Solenoidal to Plectonemic

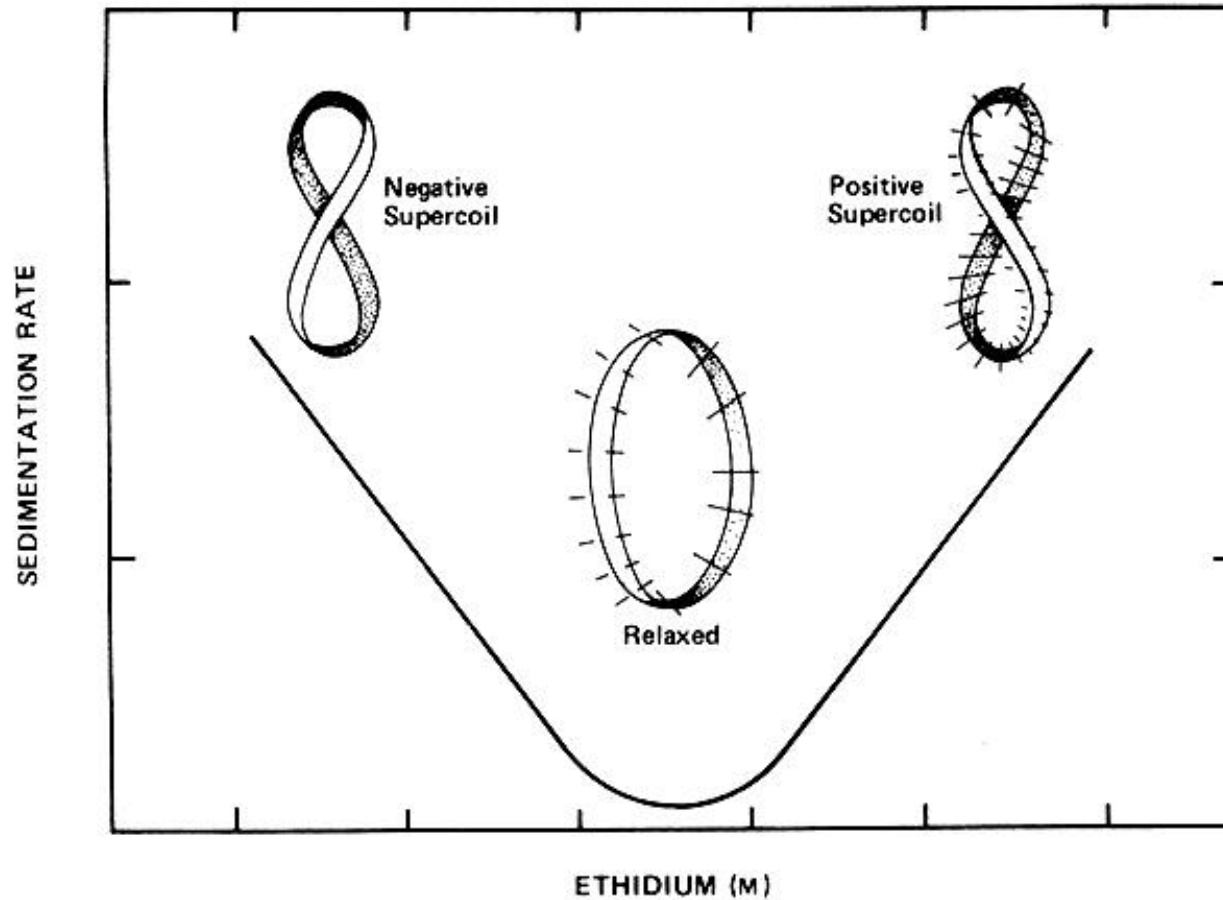




# Unwinding the Helix



# Negative supercoiling to Relaxed to Positive Supercoiling



# Negative –Relaxed-Positive



Right-handed (negative)  
superhelix

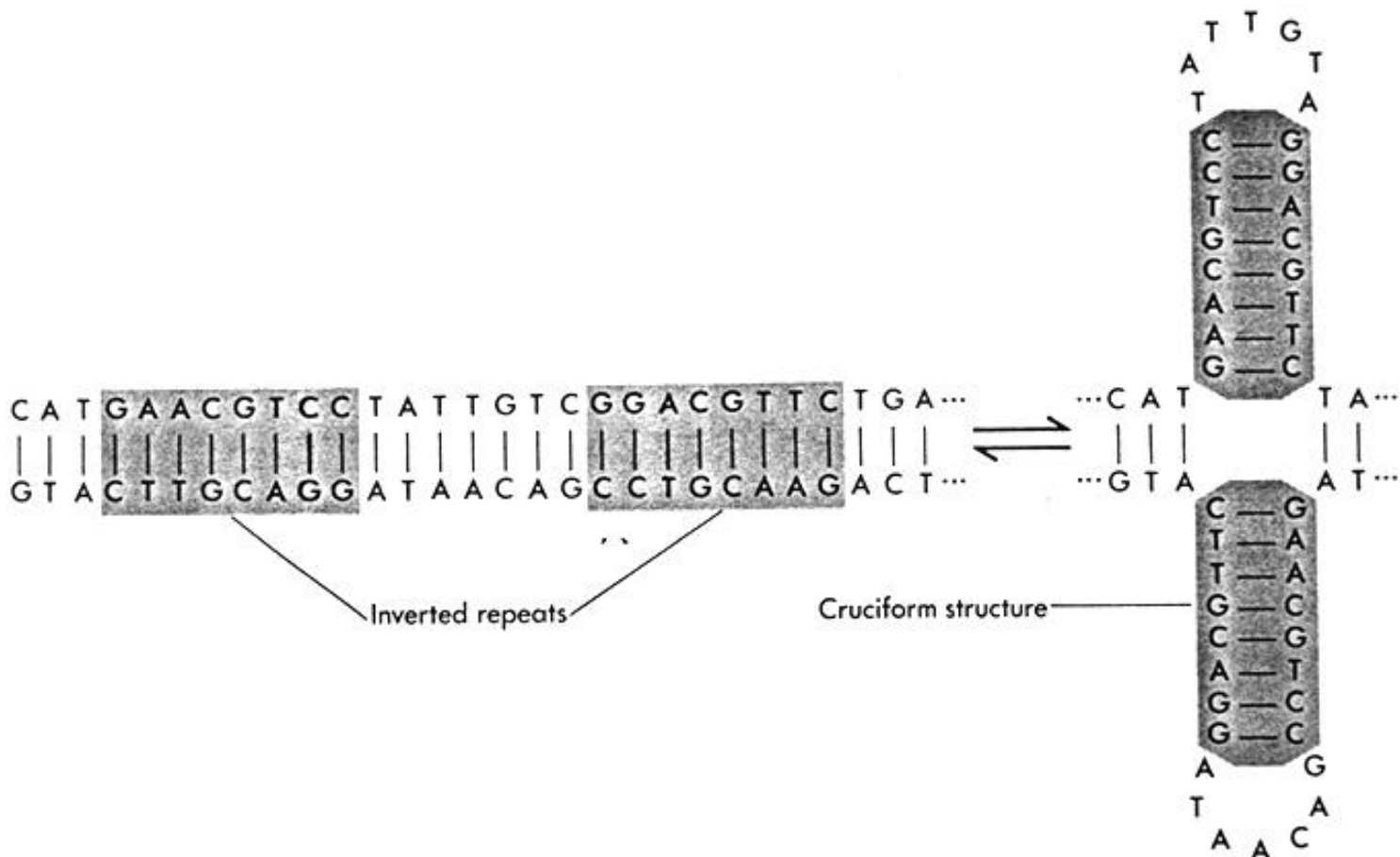


Normal circular  
helix



Left-handed (positive)  
superhelix

# Cruciform Extrusion



# The Ladder of Topoisomers

