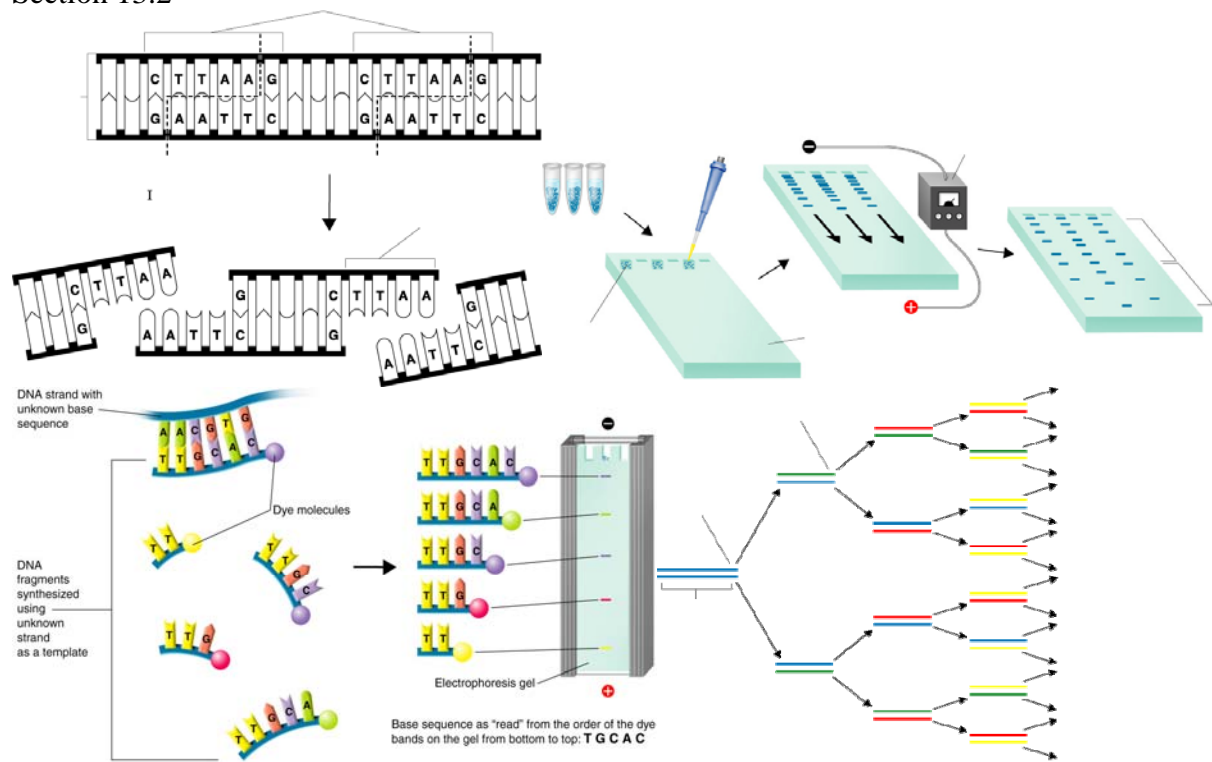


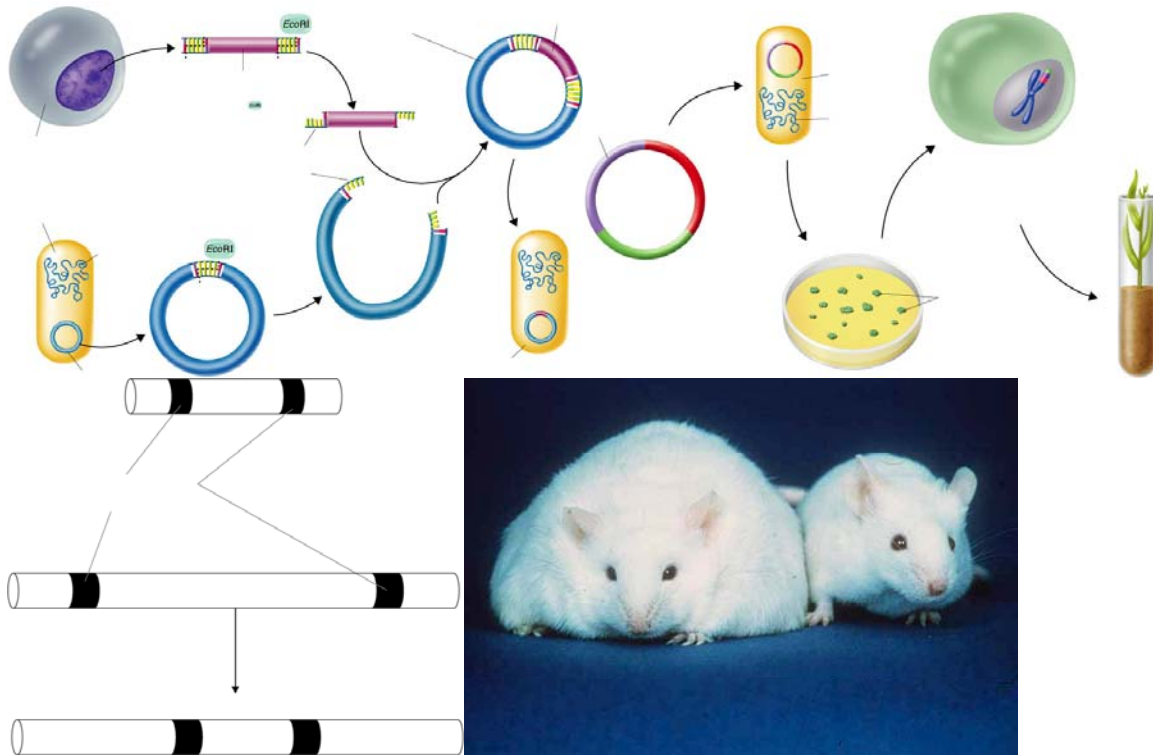
## Section 13.1



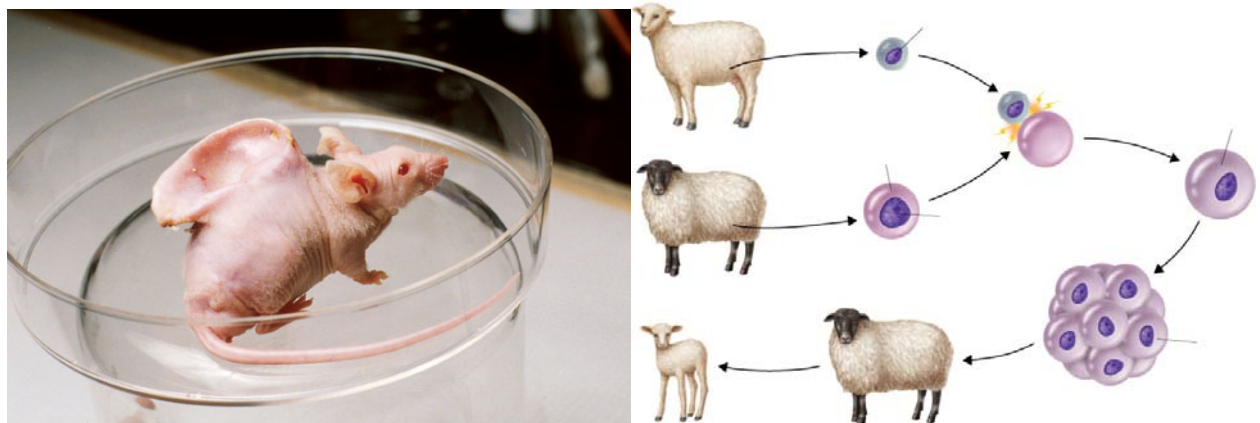
## Section 13.2



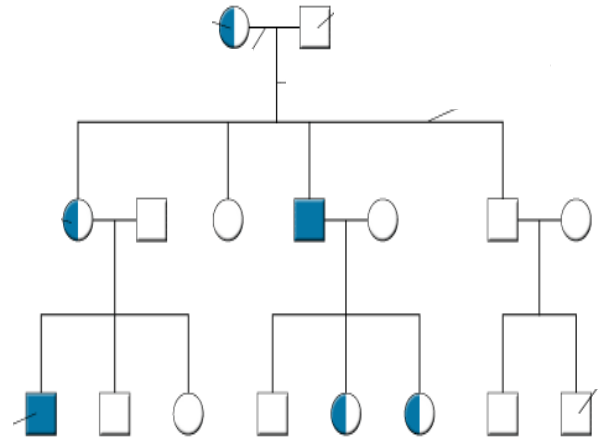
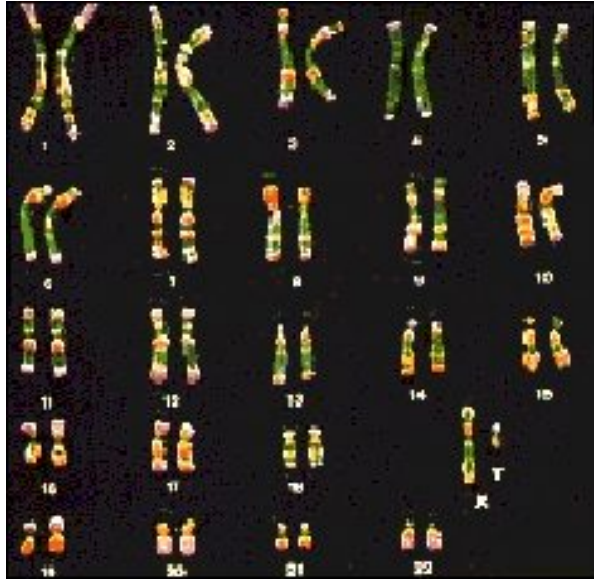
Section 13.3



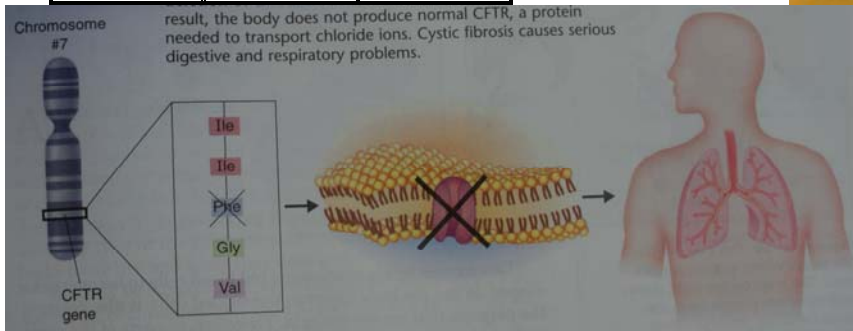
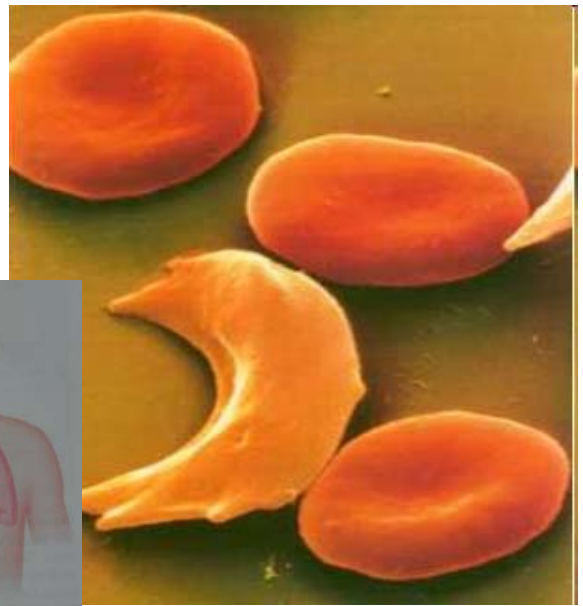
Section 13.4



Section 14.1



	IA	IB
IA	IAIA	IAIB
i	IAi	IBi



Section 14.2



Section 14.3

This section illustrates gene delivery. On the left is a DNA gel electrophoresis image. To its right is a long DNA sequence:

```

GAATTCTAATCTCCCTCTCAACCCTACAGTCACCCATTGGTATATTAAGATGTTGTC
TACTGTCTAGTATCCCTCAAGTAGTGT CAGGAATTAGTCAATTTAAATAGTCTGCAAGCCAG
GAGTGGTGGCTCATGTCTGTAATTCAGCACTGGAGAGGTAGAAGTGGGAGGACTGCCT
TGAGCTCAAGAGTTTGATATATCCTGGACAACATAGCAAGACCTCGTCTCTACTTAAAA
AAAAAAAAATTACCAGGCATGTGATGTACACCTGTAGTCCCAGCTACTCAGGAGGCCG
AAATGGGAGGATCCCTTGAGCTCAGGAGGTCAAGGCTGCAGTGAGACATGATCTTGCC
ACTGCACTCCAGCCTGGACAGCAGAGTGAAACCTTCCCTCACGAAAAAGAAATACAAAA
ACAAACAAACAAAAACTGCTCCGCAATGCGCTTCTTGATGCTCTACCACATAGGTCT
GGGTACTTTGTACACATTATCTCATTGCTGTTGTAATTTGTAGATTAAATTTGTAATTTGA
TATTTCCTAGAAAGCTGAGGCCTCAAGATGATACTTTTATTTCTGGACTTGTAAATAGC
TTTCTCTGTATTCACCATGTTGTAACCTTCTTAGAGTAGTAACAATAAAGTTATTGTGA
GTTTTGCAAAGACAGCAAACACAACGACCCATATAGACATTGATGTGAAATTTGTCTATT
GTCAATTTATGGGAAAAACAAGTATGTACTTTTTCTACTAAGCCATTGAAACAGGAATAACA
GAACAAGATTGAAAGAATACATTTCCGAAATCTTTGAGTATTATACAAAGACAAGCACG
TGGACCTGGGAGGAGGTTATTGTCCATGACTGGTGTGGAGACAAATGCAGGTTTA
TAATAGATGGGATGGCATCTAGCGCAATGACTTGGCCATCACTTTAGAGAGCTCTTGGG
GACCCAGTACACAGAGGGGACGCAGGGTATATGTAGACATCTCATTCTTTTCTTAGT
GTGAGAATAAGTAATAGCCATGACCTGAGTTTATAGACAATGAGCCCTTTCTCTCCCA
CTCAGCAGCTATGAGATGGCTTGCCTGCTCTCTACTAGGCTGACTCACTCCAAGGC
CCAGCAATGGCCAGGGCTCTGTGAGGCTTTGATAGCACTATCTGCAGAGCCAGGGC
CGAGAAGGGGTGGACTCCAGAGACTTCCCTCCCATTCCCGAGCAGGGTTTGCTTATT
TATGCAATTAATGATATATTATTTAAAGAAATAACAGGAGACTGCCAGCCCTGGCTG
TGACATGGAACTATGTAGAATATTTGGTTCCATTTTTTTCTCTTTCAGTTAGAG
GAAAAGGGGCTCACTGCACATACACTAGACAGAAAGTCAGGAGCTTTGAATCCAAGCC
TGATCATTTCCATGTCACTAGAGAAAGTCCCAACCTTCTCTGAGCCTCAGTTTCTCTT
TTTATAAGTAGGAGTCTGGAGTAAAGATTTCCAATGGCTCTCATTTCAAATCAAATTTT
CGTTTATTAATGCATGAGCTTCTTTACTCCAAGACTGAGAAGGAAATTTGAACCTGAGA
CTCATTGACTGGCAAGATGTCCCAGAGGCTCTCATTGAGCAATAAAATTTCTACCTTC
ACCCAGGCCACTGAGTGTCAATTTGCATGCACTAGTTCACGTGTGTAAGAAAGGAGG
ATGCTTCTTTCTTTGATTTCTACATACCTTTAGGAAAGAACTTAGCACCTTCCCAAC
AGCCATCCCAATAACTCATTTCACTGACTCAACCTTCTGACTTTATAAAGTCTTTGGGCAG
TATAGGCAGAGATTAAGAGTACAGATGCTGGAGCCAGACCCTGAGTGAATTAGTGAC
TCAGTTTCTCTAGTAATTGTGACTCAGTTTCTTCATCTGTAATAAGGAGGGTTTTTTA
    
```

Below the sequence is a schematic of a gene structure with labels: Promoter, Start signal, Gene, and Stop signal. On the right, the text "Gene Sequence" is written vertically. At the bottom, a diagram shows a DNA construct being injected into a cell, which then expresses the protein in a joint.