

# Contents

	<b>1</b>	
<b>Some Common Human Syndromes</b>		1
	<b>2</b>	
<b>Cell Division</b>		20
	<b>3</b>	
<b>Prenatal Development</b>		34
	<b>4</b>	
<b>The Formation of the Germ Cells</b>		49
	<b>5</b>	
<b>Simple Inheritance</b>		68
	<b>6</b>	
<b>Sex Determination</b>		92

**7**

110 **Sex-Linked Inheritance**

**8**

127 **Antigens and Antibodies: The Blood Groups**

**9**

142 **The Immune System:  
Transplantation and Related Problems**

**10**

161 **Mutation and Gene Expression**

**11**

178 **Locating Genes in the Genome**

**12**

193 **The Basis for Induced Genetic Change**

**13**

215 **Exposures of Humans to Radiation**

**14**

234 **The Nuclear Energy Controversy**

**15**

252 **Chemical Compounds Causing Genetic Damage**

**16**

265 **Twinning**

**17**

284 **Behavior and Intelligence**

**18**

302 **The Sex Ratio**

<b>19</b>	
<b>Genes in Populations</b>	319
<b>20</b>	
<b>Multiple Allelic Systems and the Blood Groups</b>	332
<b>21</b>	
<b>Variations in Chromosome Structure and Number</b>	347
<b>22</b>	
<b>The Transmission of Abnormal Chromosome Types</b>	363
<b>23</b>	
<b>Genetic Counseling</b>	382
<b>24</b>	
<b>Genetic Variation in Human Populations</b>	402
<b>25</b>	
<b>The Chemistry of the Gene</b>	422
<b>26</b>	
<b>The Manipulation of Man's Genetic System</b>	439
<b>Index</b>	453