

# Contents

<b>1</b>	<b>Introduction to Viruses</b>	<b>7</b>
<b>2</b>	<b>Cell Hosts for Viruses</b>	<b>16</b>
<b>3</b>	<b>The Life Cycle of Viruses</b>	<b>30</b>
<b>4</b>	<b>Viruses and Disease</b>	<b>44</b>
<b>5</b>	<b>Diagnosis of a Viral Disease</b>	<b>58</b>
<b>6</b>	<b>Treatment of Viral Disease</b>	<b>73</b>
<b>7</b>	<b>Prevention of Disease with Vaccines</b>	<b>83</b>
<b>8</b>	<b>Viral Mutations and Emerging Viruses</b>	<b>97</b>
<b>9</b>	<b>Challenges and Controversies</b>	<b>110</b>
	Glossary	118
	Bibliography	121
	Further Resources	130
	Picture Credits	132
	Index	133
	About the Author	137