Name	Class	Date
Section 13–3 Cell Tr <i>This section tells what happens du techniques used to determine if tr</i>	ansformation (paguring cell transformation. It	ges 327-329) also describes
Introduction (page 327)		
1. What occurs during transfo	rmation?	
2. Is the following sentence true DNA fragments.		ct of heat-killed bacteria contained
Transforming Bacteria (p	pages 327–328)	
3. Complete the flowchart to s	how the steps in transform	ning bacteria.
Foreign DNA is joined to a(an) _ circular DNA molecule found na		h is a small,
	\	
Recombinant plasmids are mixed in the recombinant DNA by the		
	\	
The culture is treated with a(an) kills bacteria.	, a co	ompound that
	V	
Only cells that have been transfo	•	ey carry a(an)
4. Give two reasons why a pla		ansfer.
b		
Transforming Plant Cells		
5. When researchers transform do researchers prevent plan		ium that causes plant tumors, how the transformed cells?

Reading Skill Practice

When you read about related concepts, a compare-and-contrast table can help you focus on their similarities and differences. Construct a table to compare and contrast transformation in bacteria, plants, and animals. Look in Appendix A for more information about compare-and-contrast tables. Do your work on a separate sheet of paper.