READING TOOLBOX

Using Words

1. helicopter
2. A bacterium of this genus should be spiral shaped.
3. Answers will vary, but students should convey the idea that a bacteriophage is a virus that infects bacteria.

Using Language

1. before the sun rises
2. first

Using FoldNotes

Check to see that students have accurately followed the directions.

READING TOOLBOX

These reading tools can help you learn the material in this chapter. For more information on how to use these and other tools, see **Appendix: Reading and Study Skills.**

Using Words

Word Parts Knowing the meanings of word parts can help you figure out the meanings of unknown words.

Word Parts

Part	Type	Meaning
bacterio	root	involving bacteria
helic	root	spiral
-ase	suffix	enzyme
phage	root	to eat or destroy

Your Turn Use the table to answer the following questions.

1. The root *-ptera* means "wing." What familiar machine is named for its spiral wing?
2. *Helicobacter* is a genus of bacteria. What shape is a bacterium of this genus?
3. In your own words, write a definition for *bacteriophage*.

Using Language

Describing Time Certain words and phrases can help you understand when something happened and how long it took. These words and phrases are called *specific time markers*. Specific time markers include words and phrases such as *first, next, 1 hour, yesterday, the twentieth century,* and *30 years later.*

Your Turn Read the sentences below and write down the specific time markers.

1. Early in the morning, before the sun rises, Emilio gets up to take his dogs for a walk.
2. Before a cell can divide, it must first make a copy of its DNA.

Using FoldNotes

Three-Panel Flip Chart A three-panel flip chart is useful when you want to organize notes about three topics. It can help you organize the characteristics of the topics side by side.



Your Turn Make a three-panel flip chart to organize your notes about DNA structure and replication.

1. Fold a piece of paper in half from the top to the bottom.
2. Fold the paper in three sections from side to side. Unfold the paper so that you can see the three sections.
3. From the top of the paper, cut along the vertical fold lines to the fold in the middle of the paper. You will now have three flaps.
4. Label the flaps of the three-panel flip chart "Identifying the Genetic Material," "The Structure of DNA," and "The Replication of DNA."
5. Under each flap, write your notes about the appropriate topic.